



STIC Search Report

EIC 3600

STIC Database Tracking Number 170397

TO: Andrew Fischer
Location: knx 5c05
Art Unit : 3627
Case Serial Number: 09/973303

From: Janice Burns
Location: EIC 3600
Knox 4B71
Phone: 23518
Janice.Burns@uspto.gov

Search Notes

Dear Examiner Fischer

Please review the following results.

If you have any questions or would like a refocused, just let me know.

Janice Burns, MLS
ASRC Aerospace Corporation
US Patent & Trademark Office
Scientific & Technical Information Center
Electronic Information Center 3600
571-272-3518
571-273-0046 (fax)
Janice.Burns@uspto.gov

EIC 3600 COMMERCIAL DATABASE SEARCH REQUEST

☐ RUSH - SPE signature required: _____

Business Methods Case: 705/ 24, Cross 705/15,16,21,22,23,26,28 Log #: _____

Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705. _____

Staff Use Only

Access DB# 170397

Requester's Full Name: Andrew Fischer Examiner #: 75586 Date: November 2, 2005

Art Unit: 3627 Phone Number: (571) 272-6779 Serial Number: 09/973,303

Bldg & Room #: Knox 5C-05 Results Format Preferred: PAPER ☒ DISK ☐ E-MAIL ☐

If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following:

(Total Pages including this sheet: 8)

Title of Invention: _____ Bib Data Sheet Attached _____

Earliest Priority Filing Date: 9/21/99

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are:

abstract, background, summary, claim(s) [not all of the claims].

Abstract, Background of the Invention, Summary of the Invention, and claim 35 included.

The claimed or apparent novelty of the invention is:

A POS terminal which generates an electronic receipt. On the Electronic receipt is shelf life info. The end user uses a bar code scanner to scan the bar code on the product to track expiration date of goods.

This search should focus on:

(Also include keywords or synonyms)

Electronic receipt with shelf life or expiration date information within the electronic receipt.

*Considered
as of 11/28/05*

If you have any questions or need help with keywords, please feel free to contact me.

.....
Special Instructions or Other Comments

COMPLETE INTERNET & PRIOR ART SEARCH REQUESTED

Set	Items	Description
S1	638	AU=(OGASAWARA, N? OR OGASAWARA N? OR NOBUO, O? OR NOBUO O?)
S2	67	S1 AND IC=G06F?
S3	2	S2 AND INVENTORY(1N)CONTROL

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
(c) 2005 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2005/Oct W05
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103
(c) 2005 WIPO/Univentio

Considered qz 11/28/05

3/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013853095 **Image available**
WPI Acc No: 2001-337308/200136
XRPX Acc No: N01-243582

Products managing method for inventory control of perishable goods by recording shelf-life limitation information in database

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: OGASAWARA N

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2354620	A	20010328	GB 200013659	A	20000605	200136 B
JP 2001109820	A	20010420	JP 2000248586	A	20000818	200139
US 6327576	B1	20011204	US 99400124	A	19990921	200203
US 20020016739	A1	20020207	US 99400124	A	19990921	200213
			US 2001973303	A	20011009	
GB 2354620	B	20030924	GB 200013659	A	20000605	200365

Priority Applications (No Type Date): US 99400124 A 19990921; US 2001973303 A 20011009

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2354620	A		36	G06F-017/60	
JP 2001109820	A		14	G06F-017/60	
US 6327576	B1			G06G-001/14	
US 20020016739	A1			G06G-001/14	Div ex application US 99400124
GB 2354620	B			G06F-017/60	

Abstract (Basic): GB 2354620 A

NOVELTY - The shelf-life limitation information read from an RFID label of each product item is recorded in a database. The purchaser's accessible system i.e. refrigerator is programmed to provide on-screen and/or printed reports of lists of purchases and corresponding retrieved shelf-life.

DETAILED DESCRIPTION - An INDEPENDENT claim is also included for a system for controlling product items with shelf-life limitations, an apparatus for controlling product items.

USE - For **inventory control** of perishable goods.

ADVANTAGE - It allows customers to maintain a perishable **inventory control** with minimum effort and without human intervention.

DESCRIPTION OF DRAWING(S) - The figure shows simplified, semi-schematic diagram of expiration date management system using bar code information.

Point-Of-Sale Terminal (10)
Scanner (12)
Electronic Receipt (18)
Web Server (20)
Storage (22)
Home Terminal (24)
pp; 36 DwgNo 1/7

Title Terms: PRODUCT; MANAGE; METHOD; INVENTORY; CONTROL; PERISHABLE; GOODS ; RECORD; SHELF; LIFE; LIMIT; INFORMATION; DATABASE

Derwent Class: T01; T05; X25

International Patent Class (Main): G06F-017/60 ; G06G-001/14

International Patent Class (Additional): G06K-017/00; G07G-001/12; G07G-001/14

File Segment: EPI

3/5/2 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01165599

Electronic shopping system
Elektronisches Einkaufssystem
Systeme d'achat electronique

PATENT ASSIGNEE:

FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States:
all)

INVENTOR:

Ogasawara, Nobuo , 12472 Carmel Cape San Diego, California 92130, (US
LEGAL REPRESENTATIVE:

Stebbing, Timothy Charles et al (59641), Haseltine Lake & Co., Imperial
House, 15-19 Kingsway, London WC2B 6UD, (GB)

PATENT (CC, No, Kind, Date): EP 1016999 A2 000705 (Basic)
EP 1016999 A3 010926

APPLICATION (CC, No, Date): EP 99305324 990705;

PRIORITY (CC, No, Date): US 211308 981214

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60** ; G07F-019/00

ABSTRACT EP 1016999 A2

An electronic shopping system facilitates purchase transactions via a wireless telephone. A purchase transaction program is downloaded from the seller's server (10) to a purchaser's wireless telephone (18) via a program loader contained within the purchaser's wireless telephone. The purchase transaction program is stored in a program memory of the purchaser's wireless telephone (18). The purchase transaction program is used by the purchaser to facilitate the selection of items to be purchased, as well as payment therefor. An external bar code reader (20) is attached to the wireless telephone to facilitate the selection of items to be purchased and is controlled via the downloaded purchase transaction program.

ABSTRACT WORD COUNT: 108

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000705 A2 Published application without search report
Change: 010926 A2 International Patent Classification changed:
20010806

Search Report: 010926 A3 Separate publication of the search report
Examination: 020529 A2 Date of request for examination: 20020318
Examination: 041215 A2 Date of dispatch of the first examination
report: 20041027

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200027	1736
SPEC A	(English)	200027	10064
Total word count - document A			11800
Total word count - document B			0
Total word count - documents A + B			11800

Set	Items	Description
S1	638	AU=(OGASAWARA, N? OR OGASAWARA N? OR NOBUO, O? OR NOBUO O?)
S2	67	S1 AND IC=G06F?
S3	2	S2 AND INVENTORY(1N)CONTROL
S4	4	S2 AND (SHELF())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?)
S5	2	S4 NOT S3

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
(c) 2005 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2005/Oct W05
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103
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5/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014085959 **Image available**
WPI Acc No: 2001-570173/200164
XRPX Acc No: N01-424917

Shopping system of merchandise through internet, creates shopping list based on orders received from clients, and instructs workers to pick and pack ordered merchandise and delivers it to corresponding client

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: OGASAWARA N

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010018671	A1	20010830	US 2001793604	A	20010227	200164 B
JP 2001315967	A	20011113	JP 200132907	A	20010208	200207

Priority Applications (No Type Date): JP 200051711 A 20000228

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010018671	A1		30	G06F-017/60	
JP 2001315967	A		20	B65G-061/00	

Abstract (Basic): US 20010018671 A1

NOVELTY - A shopping list creation unit creates shopping list, based on order of merchandise including **perishable** goods received from clients. A merchandise packing instruction unit (13) according to created shopping lists, instructs workers to pick and pack ordered merchandise. The merchandise delivery unit delivers the pack merchandise to delivery locations corresponding to clients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Merchandise picking system;
- (b) Shopping method;
- (c) Merchandise picking method;
- (d) Computer-readable storage medium on which a program for executing a merchandise ordering process is recorded;
- (e) Computer-readable storage medium on which a program for creating shopping list is recorded;
- (f) Computer-readable storage medium on which a program to execute an instructing process is recorded

USE - For receiving orders of merchandise including **perishable** goods sold in supermarket from employees in workplace through internet and delivering ordered merchandise.

ADVANTAGE - The shopping system is efficient and convenient for employees and retailers, as merchandise can be ordered from workplace and order merchandise can be received at workplace. Orders of merchandise including **perishable** goods are efficiently received and delivered to work place.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart of picking process.

pp; 30 DwgNo 7/17

Title Terms: SHOPPING; SYSTEM; MERCHANDISE; THROUGH; SHOPPING; LIST; BASED; ORDER; RECEIVE; CLIENT; WORK; PICK; PACK; ORDER; MERCHANDISE; DELIVER; CORRESPOND; CLIENT

Derwent Class: Q35; T01; T05

International Patent Class (Main): B65G-061/00; **G06F-017/60**

International Patent Class (Additional): B65G-001/137

File Segment: EPI; EngPI

5/5/2 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06882312 **Image available**
SYSTEM AND METHOD FOR EXPIRATION DATE PRODUCT USING ELECTRONIC RECEIPT

PUB. NO.: 2001-109820 [JP 2001109820 A]
PUBLISHED: April 20, 2001 (20010420)
INVENTOR(s): OGASAWARA NOBUO
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2000-248586 [JP 2000248586]
FILED: August 18, 2000 (20000818)
PRIORITY: 99 400124 [US 99400124], US (United States of America),
September 21, 1999 (19990921)
INTL CLASS: G06F-017/60 ; G07G-001/12; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide a device, a system, and a method which enable a purchaser to electronically obtain information regarding the storage life limit of a list of specific products.

SOLUTION: Storage life limit information which is electronically recorded can be accessed by a purchaser and is communicated by a microcomputer or computer system network equipped with a microprocessor which is so programmed as to receive the storage life limits of respective products of the purchaser. The computer or network is so programmed as to provide a list of articles purchased by the purchaser and the corresponding storage life limit information on a screen and/or as print reports of various formats. The computer or computer system network interacts with the purchaser, which is enabled to discriminate information regarding the stock such as the unsealing, place, etc., of the products.

COPYRIGHT: (C)2001,JPO

Set	Items	Description
S1	638	AU=(OGASAWARA, N? OR OGASAWARA N? OR NOBUO, O? OR NOBUO O?)
S2	67	S1 AND IC=G06F?
S3	2	S2 AND INVENTORY(1N)CONTROL
S4	4	S2 AND (SHELF())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?)
S5	2	S4 NOT S3
S6	21	S2 AND IC=G06F-017/60
S7	17	S6 NOT (S3 OR S4)

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
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File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2005/Oct W05
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103
(c) 2005 WIPO/Univentio

7/5/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2005 Thomson Derwent. All rts. reserv.

013709348 **Image available**
 WPI Acc No: 2001-193572/200120
 XRPX Acc No: N01-137735

System for electronic shopping using an interactive electronic shopping agent to allow communication between a customer and a retailer over the Internet

Patent Assignee: FUJITSU LTD (FUIT)
 Inventor: OGASAWARA N
 Number of Countries: 003 Number of Patents: 004
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2352856	A	20010207	GB 200010701	A	20000503	200120 B
JP 2001056833	A	20010227	JP 2000205434	A	20000706	200128
GB 2352856	B	20040303	GB 200010701	A	20000503	200417
US 6868392	B1	20050315	US 99350818	A	19990709	200520

Priority Applications (No Type Date): US 99350818 A 19990709

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2352856	A		41	G06F-017/60	
JP 2001056833	A		14	G06F-017/60	
GB 2352856	B			G06F-017/60	
US 6868392	B1			G06F-017/60	

Abstract (Basic): GB 2352856 A

NOVELTY - An electronic shopping agent (ESA) (48) may be configured as a network server or a platform computer which hosts a customer database (100) and a retailer database (110) and the ESA receives a request from a customer and retrieves the customer profile from the customer database, while selecting suitable retailers from the retailer database. Customer profile information and requests are forwarded to the selected retailers, while merchandise and service information is stored in an information database (120) and customer requests are processed using a profile matching engine (130) and a request for proposal engine (132).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for an ESA and for a method for establishing communications between a customer and a retailer.

USE - Electronic shopping utilizing an interactive ESA.

ADVANTAGE - Identifying appropriate retailer offering requested merchandise.

DESCRIPTION OF DRAWING(S) - The drawing is an exemplary simplified semi-schematic block diagram showing the ESA

ESA (48)

Customer and retailer databases (100,110)

Information database (120)

Profile matching engine (130)

Request for proposal engine (132)

pp; 41 DwgNo 2/10

Title Terms: SYSTEM; ELECTRONIC; SHOPPING; INTERACT; ELECTRONIC; SHOPPING; AGENT; ALLOW; COMMUNICATE; CUSTOMER; RETAIL

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013624625 **Image available**
WPI Acc No: 2001-108833/200112
Related WPI Acc No: 2000-507063
XRPX Acc No: N01-081287

Wireless video telephone for electronic shopping system, has program loader which extracts processing program and downloads extracted processing program in program memory

Patent Assignee: FUJITSU LTD (FUIT); OGASAWARA N (OGAS-I)

Inventor: **OGASAWARA N**

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000341657	A	20001208	JP 200089293	A	20000328	200112 B
US 20020065728	A1	20020530	US 98211308	A	19981214	200240
			US 99281557	A	19990330	
US 6512919	B2	20030128	US 98211308	A	19981214	200311
			US 99281557	A	19990330	

Priority Applications (No Type Date): US 99281557 A 19990330; US 98211308 A 19981214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000341657	A		22	H04N-007/14	
US 20020065728	A1			G06F-017/60	CIP of application US 98211308
US 6512919	B2			H04Q-007/20	CIP of application US 98211308

Abstract (Basic): JP 2000341657 A

NOVELTY - The wireless video telephone (18) has a program memory in which the downloaded processing program is stored. A program loader is provided with a firmware memory which stores the information indicating download of program from a server. A microprocessor is provided to execute the processing program stored in the program memory.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Electronic shopping system;
- (b) Transaction processing method

USE - For decoding input image of visitor in wireless video telephone used for electronic shopping system.

ADVANTAGE - Since wireless video telephone is utilized, the electronic shopping is made possible even for user who is at remote place.

DESCRIPTION OF DRAWING(S) - The figure shows the profile of electronic shopping system.

Wireless video telephone (18)
pp; 22 DwgNo 1/14

Title Terms: WIRELESS; VIDEO; TELEPHONE; ELECTRONIC; SHOPPING; SYSTEM; PROGRAM; LOAD; EXTRACT; PROCESS; PROGRAM; EXTRACT; PROCESS; PROGRAM; PROGRAM; MEMORY

Derwent Class: T01; T05; W02

International Patent Class (Main): **G06F-017/60** ; H04N-007/14; H04Q-007/20

International Patent Class (Additional): **G06F-013/00** ; G06K-015/00; G07G-001/14

File Segment: EPI

7/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013335124 **Image available**
 WPI Acc No: 2000-507063/200046
 Related WPI Acc No: 2001-108833
 XRPX Acc No: N00-375035

**Electronic shopping system facilitating purchase transactions via
 wireless telephone uses purchase transaction program to facilitate**

Patent Assignee: FUJITSU LTD (FUIT); OGASAWARA N (OGAS-I)

Inventor: **OGASAWARA N**

Number of Countries: 029 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1016999	A2	20000705	EP 99305324	A	19990705	200046 B
JP 2000184087	A	20000630	JP 99260193	A	19990914	200046
CN 1257372	A	20000621	CN 99108896	A	19990630	200049
KR 2000048116	A	20000725	KR 9957362	A	19991214	200116
US 20020059147	A1	20020516	US 98211308	A	19981214	200237
US 6577861	B2	20030610	US 98211308	A	19981214	200340
US 20030119485	A1	20030626	US 98211308	A	19981214	200343
			US 2003357070	A	20030203	

Priority Applications (No Type Date): US 98211308 A 19981214; US 2003357070
 A 20030203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1016999	A2	E	24	G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
JP 2000184087	A		18	H04M-011/00	
CN 1257372	A			H04M-011/00	
KR 2000048116	A			H04B-007/26	
US 20020059147	A1			G06F-017/60	
US 6577861	B2			G06F-017/60	
US 20030119485	A1			H04M-001/68	Div ex application US 98211308

Abstract (Basic): EP 1016999 A2

NOVELTY - The system downloads a purchase transaction program from the seller's server (10) to a purchaser's wireless telephone (18) via a program loader in the telephone. The program is stored in the telephone memory, and is used to facilitate purchaser's selection of items to be purchased as well as the payment for it. The telephone has an external barcode reader for selecting the items.

DETAILED DESCRIPTION - Independent claims describe an electronic transaction system and a program downloadable wireless telephone.

USE - As an electronic shopping system facilitating purchase transactions via a wireless telephone.

ADVANTAGE - Eliminates the substantial investment associated with the use of dedicated personal shopping system terminals.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic overview of the electronic shopping system.

the seller's server (10)

the purchaser's wireless telephone (18)

pp; 24 DwgNo 1/9

Title Terms: ELECTRONIC; SHOPPING; SYSTEM; FACILITATE; PURCHASE;
 TRANSACTION; WIRELESS; TELEPHONE; PURCHASE; TRANSACTION; PROGRAM;
 FACILITATE

Derwent Class: T01; T05; W01; W02

International Patent Class (Main): **G06F-017/60** ; H04B-007/26; H04M-001/68;
 H04M-011/00

International Patent Class (Additional): **G06F-013/00** ; G06K-017/00;
 G07F-007/08; G07F-019/00; H04L-009/00; H04M-003/00; H04M-011/06;

H04Q-003/00
File Segment: EPI

7/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013067948 **Image available**
WPI Acc No: 2000-239820/200021
XRPX Acc No: N00-180089

Customer identification system for use in retail or service facility in which the customer indicia is bundled with that customer's visual image into customer specific data set

Patent Assignee: FUJITSU LTD (FUIT); OGASAWARA N (OGAS-I)

Inventor: OGASAWARA N

Number of Countries: 003 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2342208	A	20000405	GB 9921250	A	19990908	200021 B
JP 2000099827	A	20000407	JP 99272837	A	19990927	200028
US 20020016740	A1	20020207	US 98160921	A	19980925	200213
GB 2342208	B	20021023	GB 9921250	A	19990908	200270
US 6513015	B2	20030128	US 98160921	A	19980925	200311
JP 3484111	B2	20040106	JP 99272837	A	19990927	200405

Priority Applications (No Type Date): US 98160921 A 19980925

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2342208	A		48	G06F-017/60	
JP 2000099827	A		16	G07G-001/01	
US 20020016740	A1			G06F-017/60	
GB 2342208	B			G06F-017/60	
US 6513015	B2			G06F-017/60	
JP 3484111	B2		17	G07G-001/01	Previous Publ. patent JP 2000099827

Abstract (Basic): GB 2342208 A

NOVELTY - The system includes a control unit (20) coupled to interrogator unit, entrance/exit sensor (12) and image recorder (24) for receiving the customer indicia from the interrogator and causing the customer indicia to be bundled with that customer's visual image into customer specific data set.

DETAILED DESCRIPTION - The entrance/exit sensor is positioned to identify the presence of customer. The visual image recorder captures visual image of customer in response to trigger signal provided by the sensor. The interrogator unit positioned in proximity to the entrance/exit of the facility communicated with a portable customer identification card (10) which has memory storage area holding customer indicia when the card is in proximity to the interrogator. An INDEPENDENT CLAIM includes a method for assisting staff of retail or service facility to identify particular customers.

USE - Retail or service facility.

ADVANTAGE - The service staff can provide appropriate shopping assistance to the customer especially for people with physical handicaps or mobility problems or officials or celebrities requiring special attention.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the customer identification system.

Customer ID card (10)

Entrance/exit gate (12)

Sensor (16)

Control unit (20)
 Image recorder (24)
 pp; 48 DwgNo 1/7
 Title Terms: CUSTOMER; IDENTIFY; SYSTEM; RETAIL; SERVICE; FACILITY;
 CUSTOMER; INDICIA; BUNDLE; CUSTOMER; VISUAL; IMAGE; CUSTOMER; SPECIFIC;
 DATA; SET
 Derwent Class: T01; T05; W02; W04; W06
 International Patent Class (Main): G06F-017/60 ; G07G-001/01
 International Patent Class (Additional): G07C-009/00; G07G-001/14
 File Segment: EPI

7/5/5 (Item 5 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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012758019 **Image available**
 WPI Acc No: 1999-564138/199948
 XRPX Acc No: N99-417008

Electronic personal shopping system for use in a retail facility

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: OGASAWARA N

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2336925	A	19991103	GB 992631	A	19990205	199948 B
JP 2000030148	A	20000128	JP 99118048	A	19990426	200017
US 6123259	A	20000926	US 9870373	A	19980430	200051
US 6386450	B1	20020514	US 9870373	A	19980430	200239
			US 2000629992	A	20000801	
GB 2336925	B	20020724	GB 992631	A	19990205	200256

Priority Applications (No Type Date): US 9870373 A 19980430; US 2000629992
 A 20000801

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2336925	A		69	G06F-017/60	
JP 2000030148	A		18	G07G-001/00	
US 6123259	A			G06K-005/00	
US 6386450	B1			G06K-015/00	Cont of application US 9870373
					Cont of patent US 6123259
GB 2336925	B			G06F-017/60	

Abstract (Basic): GB 2336925 A

NOVELTY - The store computer (50) communicates with a mobile terminal (5) to find a customers present location and the tell the customer the location of desired items from a shopping list or recommended replenishment list read by the mobile terminal from an IC card.

DETAILED DESCRIPTION - When a customer scans an item (15) the location of the product in the facility is assumed to be the location of the customer. A desired destination is calculated based on the distance to other items on the shopping list.

INDEPENDENT CLAIMS are included for the method of personal shopping, a mobile terminal and a customer identification card for use with the personal shopping system.

USE - For use as an electronic personal shopping system in a retail facility.

ADVANTAGE - The system aids a shopper by providing the location of the nearest item on the shopping list. All scanned items can be used to create a recent shopping history that creates a recommended

replenishment list to further help the customer.

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified block diagram of the personal shopping system.

Hand held shopping terminal (5)

Barcode scanner (15)

Retail central computer (50)

pp; 69 DwgNo 1/8

Title Terms: ELECTRONIC; PERSON; SHOPPING; SYSTEM; RETAIL; FACILITY

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60** ; G06K-005/00; G06K-015/00; G07G-001/00

International Patent Class (Additional): G06K-017/00; G06K-019/07; G06K-019/10; G07G-001/14

File Segment: EPI

7/5/8 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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07739856 **Image available**

COMMODITY DELIVERY AND HANDOVER SYSTEM USING LOCKER

PUB. NO.: 2003-233758 [JP 2003233758 A]

PUBLISHED: August 22, 2003 (20030822)

INVENTOR(s): **OGASAWARA NOBUO**

APPLICANT(s): FUJITSU LTD

APPL. NO.: 2002-031758 [JP 200231758]

FILED: February 08, 2002 (20020208)

INTL CLASS: **G06F-017/60** ; E05B-049/00; E05B-065/00

ABSTRACT

PROBLEM TO BE SOLVED: To prevent removal by another person, and ensure and facilitate reception of a delivery sent from a third party in regard to a commodity delivery and handover system using a collective locker provided with a plurality of article housing parts connected to a communication network.

SOLUTION: The commodity delivery and handover system is provided with a locker information storing part showing a characteristic of each article housing part (locker), a reservation information storing part showing reservation states, a timepiece part, and a reserving means for determining whether a locker with a requested characteristic is available from a requested estimated usage start date and time to an estimated usage completion date and time when a reservation request is received via the network, storing reservation information including key information from a reservation requesting side in a reservation information storing part if the locker is available, monitoring the reservation information and outputting an instruction for locking and the key information a predetermined time before the estimated usage start date and time. Locking is carried out by the instruction for locking, and unlocking is carried out when a key inputted from an inputting means matches a key of a key storing means by collation.

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7/5/11 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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07088318 **Image available**

WORKPLACE SHOPPING SYSTEM, COMMODITY PICKING SYSTEM, AND SHOPPING AND PICKING METHOD OF THE SAME

PUB. NO.: 2001-315967 [JP 2001315967 A]
PUBLISHED: November 13, 2001 (20011113)
INVENTOR(s): OGASAWARA NOBUO
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2001-032907 [JP 200132907]
FILED: February 08, 2001 (20010208)
PRIORITY: 2000-051711 [JP 200051711], JP (Japan), February 28, 2000
(20000228)
INTL CLASS: B65G-061/00; B65G-001/137; **G06F-017/60**

ABSTRACT

PROBLEM TO BE SOLVED: To receive the orders of commodities as sailed in a supermarket including fresh food, for example, from many employees in a workplace and collectively deliver the ordered commodities to enhance the convenience for the employees and the efficiency of the business.

SOLUTION: This system comprises a means for receiving the order of a commodity including fresh food, a means 2 for forming at least one shopping list corresponding to the order from each customer, a means 3 for receiving each shopping list and instructing the pickup and packaging of the ordered commodity corresponding to at least one customer to a packaging worker, and a means for delivering the packaged commodity to the designation corresponding to each customer.

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7/5/13 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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06829339 **Image available**

SYSTEM AND METHOD FOR ELECTRONIC SHOPPING USING INTERACTIVE SHOPPING AGENT

PUB. NO.: 2001-056833 [JP 2001056833 A]
PUBLISHED: February 27, 2001 (20010227)
INVENTOR(s): OGASAWARA NOBUO
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2000-205434 [JP 2000205434]
FILED: July 06, 2000 (20000706)
PRIORITY: 350818 [US 99350818], US (United States of America), July 09, 1999 (19990709)
INTL CLASS: **G06F-017/60**

ABSTRACT

PROBLEM TO BE SOLVED: To provide an electronic shopping system using an electronic shopping agent(ESA) enabling a customer and a retailer to communicate with each other for Internet shopping.

SOLUTION: The ESA 48 has access to a customer database 100 and a retainer database 110. When the ESA 48 receives a request for an article or service from the customer, customer profile information is taken out of the customer database 100 and a proper retailer is selected from the retailer database 110. The customer profile information and customer request are put together into a proposal request(RFP), which is transferred to the selected

retailer. The retailer once receiving the RFP submits a proposal to the ESA 48 and the proposal is transferred to the customer having made the request and meets the taste and needs of the customer.

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7/5/14 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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06755791 **Image available**

WIRELESS TELEVISION TELEPHONE AND ELECTRONIC SHOPPING SYSTEM AND TRANSACTION PROCESSING EXECUTING METHOD

PUB. NO.: 2000-341657 [JP 2000341657 A]

PUBLISHED: December 08, 2000 (20001208)

INVENTOR(s): OGASAWARA NOBUO

APPLICANT(s): FUJITSU LTD

APPL. NO.: 2000-089293 [JP 200089293]

FILED: March 28, 2000 (20000328)

PRIORITY: 281557 [US 99281557], US (United States of America), March 30, 1999 (19990330)

INTL CLASS: H04N-007/14; G06F-013/00 ; G06F-017/60 ; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide an electronic shopping system or a wireless television telephone for allowing a user to enjoy electronic shopping regardless of his or her location.

SOLUTION: A wireless television telephone which can communicate with a store server 10 or a remote server 26 is used. A device for inputting a picture such as an outside bar code scanner 20 or an integrated digital camera 25 is mounted on the wireless television telephone 18. The already demodulated/non-demodulated bar code data are transmitted from the wireless television telephone 18 to servers 10 and 26. The servers 10 and 26 retrieves data such as merchandise information or a price based on data from the wireless television telephone 18, and returns the data to the wireless television telephone.

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7/5/15 (Item 10 from file: 347)

DIALOG(R)File 347:JAPIO

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06598290 **Image available**

ELECTRONIC SHOPPING SYSTEM USING WIRELESS TELEPHONE WITH PROGRAM DOWN-LOADING FUNCTION

PUB. NO.: 2000-184087 [JP 2000184087 A]

PUBLISHED: June 30, 2000 (20000630)

INVENTOR(s): OGASAWARA NOBUO

APPLICANT(s): FUJITSU LTD

APPL. NO.: 11-260193 [JP 99260193]

FILED: September 14, 1999 (19990914)

PRIORITY: 211308 [US 98211308], US (United States of America), December 14, 1998 (19981214)

INTL CLASS: H04M-011/00; G06F-013/00 ; G06F-017/60 ; G06K-017/00

ABSTRACT

PROBLEM TO BE SOLVED: To obtain an electronic shopping system capable of purchasing transaction using a wireless telephone set by executing an instruction stored in a firmware memory and executing a down-loaded transaction program stored in a program memory.

SOLUTION: A store server 10 or a remote server 26 stores a purchasing transaction program which should be down-loaded by the wireless telephone set 18. A purchasing person dials to the telephone number of the server 10 or the server 26 with the set 18. When the set 18 is connected with the server 10 or the server 26, the purchasing transaction program is down-loaded by the instruction of a program loader to the set 18 from the server 10 or the server 26. Then, in cooperation with a server personal shopping application and the down-loaded purchasing transaction program, purchasing transaction including the selection and payment of merchandise to be purchased.

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7/5/16 (Item 11 from file: 347)

DIALOG(R)File 347:JAPIO

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06514110 **Image available**

SYSTEM AND METHOD FOR CUSTOMER RECOGNITION USING RADIO IDENTIFICATION AND VISUAL DATA TRANSMISSION

PUB. NO.: 2000-099827 [JP 2000099827 A]

PUBLISHED: April 07, 2000 (20000407)

INVENTOR(s): OGASAWARA NOBUO

APPLICANT(s): FUJITSU LTD

APPL. NO.: 11-272837 [JP 99272837]

FILED: September 27, 1999 (19990927)

PRIORITY: 160921 [US 98160921], US (United States of America),
September 25, 1998 (19980925)

INTL CLASS: G07G-001/01; **G06F-017/60** ; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To use a radio ID card or tag and the video image of an identified customer by receiving customer's features from a questioner unit and combining the customer's features with the visual image of the customer.

SOLUTION: When a customer carrying a proper customer ID card (or ID tag) passes near a questioner antenna 14, the customer ID card 10 transmits at least a specific customer identification number and this customer identification number is received by the antenna 14 and transmitted to a transmitter/ receiver circuit 22. When a customer's profile, tastes and transaction history data are transmitted to a system by the ID card 10 of the customer, a control unit 20 or a network server 28 combines the information with the video image data of the customer. Then, a customer recognition information and data set obtained as the result is offered to various types of sales and/or service aid terminal equipment installed in a commercial facility as complete records.

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7/5/17 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO
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06444578 **Image available**

ELECTRONIC SHOPPING SYSTEM CONTAINING CUSTOMER POSITION RECOGNITION

PUB. NO.: 2000-030148 [JP 2000030148 A]
PUBLISHED: January 28, 2000 (20000128)
INVENTOR(s): **OGASAWARA NOBUO**
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-118048 [JP 99118048]
FILED: April 26, 1999 (19990426)
PRIORITY: 70373 [US 9870373], US (United States of America), April 30,
 1998 (19980430)
INTL CLASS: G07G-001/00; **G06F-017/60** ; G06K-017/00; G06K-019/07;
 G06K-019/10; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide an electronic shopping system enabling a shopper to save time and money.

SOLUTION: An electronic individual shopping system supports the movement of a customer in a retail equipment. A shopping list and a recommended supplementary commodity list are stored on a customer IC card and it is read by the IC card interface unit 60 of a mobile shopping terminal 5. A price look up table is held in a store data base 55 and it contains position data on the respective commodities of store stocks. When the commodity is scanned by a bar code scanner 15, position data of the commodity is assumed to show the present position of the customer. The target commodity is taken in from the shopping list or the recommended supplementary commodity list, and a direction and a distance to the target commodity are calculated based on the present position of the customer.

7/TI,AU/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

System for electronic shopping using an interactive electronic shopping agent to allow communication between a customer and a retailer over the Internet
Inventor: OGASAWARA N

7/TI,AU/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Wireless video telephone for electronic shopping system, has program loader which extracts processing program and downloads extracted processing program in program memory
Inventor: OGASAWARA N

7/TI,AU/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Electronic shopping system facilitating purchase transactions via wireless telephone uses purchase transaction program to facilitate
Inventor: OGASAWARA N

7/TI,AU/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Customer identification system for use in retail or service facility in which the customer indicia is bundled with that customer's visual image into customer specific data set
Inventor: OGASAWARA N

7/TI,AU/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Electronic personal shopping system for use in a retail facility
Inventor: OGASAWARA N

7/TI,AU/6 (Item 1 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

HIERARCHICAL PRESENCE INFORMATION DISCLOSURE DEVICE

INVENTOR(s): NOGUCHI SHOICHI
NUNOKAWA HIROSHI
SATO KIWAMU
OGASAWARA NAOTO

7/TI,AU/7 (Item 2 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

AUTOMOBILE MANAGEMENT METHOD AND SYSTEM

INVENTOR(s): TASHIRO KUNIHICO

OGASAWARA NARIKAZU
NAGAI MOTONARI
MASUBUCHI KIYOSHI
MATSUMOTO KENICHI

7/TI,AU/8 (Item 3 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
COMMODITY DELIVERY AND HANDOVER SYSTEM USING LOCKER
INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/9 (Item 4 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
CONSUMABLE MANAGEMENT SYSTEM AND OA EQUIPMENT
INVENTOR(s): OGASAWARA NORIHIKO

7/TI,AU/10 (Item 5 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
ADVERTISEMENT TRANSMITTING SYSTEM
INVENTOR(s): KOBAYASHI MAAYA
OGASAWARA NAOKI

7/TI,AU/11 (Item 6 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
WORKPLACE SHOPPING SYSTEM, COMMODITY PICKING SYSTEM, AND SHOPPING AND
PICKING METHOD OF THE SAME
INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/12 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
PERSONAL INFORMATION MANAGING SYSTEM
INVENTOR(s): OGASAWARA NORIYUKI
SHIMIZU TOSHIYA

7/TI,AU/13 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.
SYSTEM AND METHOD FOR ELECTRONIC SHOPPING USING INTERACTIVE SHOPPING AGENT
INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/14 (Item 9 from file: 347)
DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

EIC 3600

Dialog Search

WIRELESS TELEVISION TELEPHONE AND ELECTRONIC SHOPPING SYSTEM AND
TRANSACTION PROCESSING EXECUTING METHOD

INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/15 (Item 10 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

ELECTRONIC SHOPPING SYSTEM USING WIRELESS TELEPHONE WITH PROGRAM
DOWN-LOADING FUNCTION

INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/16 (Item 11 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

SYSTEM AND METHOD FOR CUSTOMER RECOGNITION USING RADIO IDENTIFICATION AND
VISUAL DATA TRANSMISSION

INVENTOR(s): OGASAWARA NOBUO

7/TI,AU/17 (Item 12 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

ELECTRONIC SHOPPING SYSTEM CONTAINING CUSTOMER POSITION RECOGNITION

INVENTOR(s): OGASAWARA NOBUO

Set	Items	Description
S1	1089	AU=(OGASAWARA, N? OR OGASAWARA N? OR NOBUO, O? OR NOBUO O?)
S2	0	S1 AND (INVENTORY(1N)CONTROL OR (SHELF OR STORAGE)())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?)

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File 2:INSPEC 1898-2005/Nov W1
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(c) 2002 The Gale Group

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File 20:Dialog Global Reporter 1997-2005/Nov 14
(c) 2005 Dialog

File 610:Business Wire 1999-2005/Nov 14
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File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2005/Nov 15
(c) 2005 Financial Times Ltd

File 613:PR Newswire 1999-2005/Nov 14
(c) 2005 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2005/Nov 12
(c) 2005 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2005/Nov 14
(c) 2005 McGraw-Hill Co. Inc

File 9:Business & Industry(R) Jul/1994-2005/Nov 11
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File 621:Gale Group New Prod.Annou.(R) 1985-2005/Nov 14
(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/Nov 14
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(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/Nov 14
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File 14:Mechanical and Transport Engineer Abstract 1966-2005/Oct

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File 34:SciSearch(R) Cited Ref Sci 1990-2005/Nov W1
(c) 2005 Inst for Sci Info
File 94:JICST-EPlus 1985-2005/Sep W2
(c)2005 Japan Science and Tech Corp(JST)
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

Considered g7 11/28/05

Set	Items	Description
S1	30812	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?
S2	1724	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (1W) (RECEI- PT? OR REPORT? OR LIST?)
S3	106469	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER?
S4	970223	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	52074	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	21451	S5 AND (S3 OR S4)
S7	76	S6 AND S1
S8	1	S7 AND S2

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
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File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

g Fischer 11/28/05

8/5/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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013853095 **Image available**
 WPI Acc No: 2001-337308/200136
 XRPX Acc No: N01-243582

Products managing method for inventory control of perishable goods by recording shelf - life limitation information in database

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: OGASAWARA N

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2354620	A	20010328	GB 200013659	A	20000605	200136 B
JP 2001109820	A	20010420	JP 2000248586	A	20000818	200139
US 6327576	B1	20011204	US 99400124	A	19990921	200203
US 20020016739	A1	20020207	US 99400124	A	19990921	200213
			US 2001973303	A	20011009	
GB 2354620	B	20030924	GB 200013659	A	20000605	200365

Priority Applications (No Type Date): US 99400124 A 19990921; US 2001973303 A 20011009

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2354620	A		36	G06F-017/60	
JP 2001109820	A		14	G06F-017/60	
US 6327576	B1			G06G-001/14	
US 20020016739	A1			G06G-001/14	Div ex application US 99400124
GB 2354620	B			G06F-017/60	

Abstract (Basic): GB 2354620 A

NOVELTY - The **shelf - life** limitation information read from an **RFID** label of each product item is recorded in a database. The purchaser's accessible system i.e. refrigerator is programmed to provide on-screen and/or **printed reports** of lists of purchases and corresponding retrieved **shelf - life**.

DETAILED DESCRIPTION - An INDEPENDENT claim is also included for a system for controlling product items with **shelf - life** limitations, an apparatus for controlling product items.

USE - For inventory control of **perishable** goods.

ADVANTAGE - It allows customers to maintain a **perishable** inventory control with minimum effort and without human intervention.

DESCRIPTION OF DRAWING(S) - The figure shows simplified, semi-schematic diagram of **expiration date** management system using **bar code** information.

Point -Of- Sale Terminal (10)

Scanner (12)

Electronic Receipt (18)

Web Server (20)

Storage (22)

Home Terminal (24)

pp; 36 DwgNo 1/7

Title Terms: PRODUCT; MANAGE; METHOD; INVENTORY; CONTROL; **PERISHABLE** ;
 GOODS; RECORD; SHELF; LIFE; LIMIT; INFORMATION; DATABASE

Derwent Class: T01; T05; X25

International Patent Class (Main): G06F-017/60; G06G-001/14

International Patent Class (Additional): G06K-017/00; G07G-001/12;

G07G-001/14

File Segment: EPI

Set	Items	Description
S1	30812	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?
S2	1724	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (1W) (RECEI- PT? OR REPORT? OR LIST?)
S3	106469	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER?
S4	970223	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	52074	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	21451	S5 AND (S3 OR S4)
S7	76	S6 AND S1
S8	1	S7 AND S2
S9	2458	INVENTORY(1N)CONTROL
S10	26	S9 AND S1
S11	17	S10 AND IC=G06F?

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
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File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

Considered 87 11/28/05

11/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016812406 **Image available**
WPI Acc No: 2005-136687/200515
XRPX Acc No: N05-117148

Customer data management method using point of sales system for domestic inventory control , involves acquiring sales data from customer identification, based on inquiry analysis and converting data into set transmission format

Patent Assignee: PASCO CORP (PASC-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2005038143	A	20050210	JP 2003273820	A	20030714	200515 B

Priority Applications (No Type Date): JP 2003273820 A 20030714

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2005038143	A		7 G07G-001/12	

Abstract (Basic): JP 2005038143 A

NOVELTY - An electronic document inquiry from a customer is analyzed and required point of sales (POS) data relevant to received customer's identification (ID) is acquired from memory, based on analysis result. The acquisition data is converted into predetermined communication format and is transmitted to a customer terminal (3).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for point of sales system.

USE - For managing customer data using point of sales (POS) system (claimed) installed at super market or shop, to assist in domestic **inventory control** of goods such as **perishable** foodstuff stored in refrigerator. Also used for sales management, goods sales analysis and market research with respect to sales of goods in retail store using internet.

ADVANTAGE - Reliability of account settlement is improved due to exact acquisition of POS information thereby customer's convenience is improved. **Inventory control** and sales analysis are performed with higher precision. Domestic **inventory control** cost is reduced due to simple centralized customer data management.

DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of the point of sales system. (Drawing includes non-English language text).

server (1)
memory (2)
customer terminal (3)
POS terminal (5)
communication line (6)
pp; 7 DwgNo 1/2

Title Terms: CUSTOMER; DATA; MANAGEMENT; METHOD; POINT; SALE; SYSTEM;
DOMESTIC; INVENTORY; CONTROL; ACQUIRE; SALE; DATA; CUSTOMER; IDENTIFY;
BASED; ENQUIRY; ANALYSE; CONVERT; DATA; SET; TRANSMISSION; FORMAT

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): **G06F-017/60** ; G07G-001/14

File Segment: EPI

11/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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016668867 **Image available**

WPI Acc No: 2004-827587/200482

XRPX Acc No: N04-653872

Inventory control and delivery place of inventories guarantee service provision system for e.g. food industry, performs replenishment of goods and exchange information with reference to stock amount and utilization time limit

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004338926	A	20041202	JP 2003140660	A	20030519	200482 B

Priority Applications (No Type Date): JP 2003140660 A 20030519

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2004338926	A	13	B65G-061/00	

Abstract (Basic): JP 2004338926 A

NOVELTY - A server (41) of delivery traders updates received manufacture date, utilization time limit of goods from wireless tag (51) attached to goods (50) stored in the goods storage (20) of delivery place of customer shop (10) through communication network (60). Replenishment of goods and exchange information with reference to stock amount and utilization time limit are performed, based on the updated goods information.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **inventory control** and delivery place of inventories guarantee service provision method.

USE - For providing **inventory control** and delivery place of inventories guarantee service for food service industry and pharmaceutical industry.

ADVANTAGE - Eliminates wastage of the goods by providing only required goods for business. Solid management of goods stored in remote place is performed effectively with **freshness**. Ensures suitable profits by providing service according to the level of contract.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of **inventory control** and delivery place of inventories guarantee service provision system. (Drawing includes non-English language text).

customer shop (10)
goods storage (20)
wireless tag reader (21)
server (41)
goods (50)
wireless tag (51)
communication network (60)
pp; 13 DwgNo 1/4

Title Terms: INVENTORY; CONTROL; DELIVER; PLACE; INVENTORY; GUARANTEE; SERVICE; PROVISION; SYSTEM; FOOD; INDUSTRIAL; PERFORMANCE; REPLENISH; GOODS; EXCHANGE; INFORMATION; REFERENCE; STOCK; AMOUNT; UTILISE; TIME; LIMIT

Derwent Class: Q35; T01; T05

International Patent Class (Main): B65G-061/00

International Patent Class (Additional): B65G-001/137; **G06F-017/60**

File Segment: EPI; EngPI

11/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016517396 **Image available**
WPI Acc No: 2004-675779/200466
XRPX Acc No: N04-535535

Point-of-care diagnostic device e.g. blood testing device, inventory control system for use in e.g. nursing home, has processor to execute computer program for automatically updating current number of devices in subinventory

Patent Assignee: DAVIS G (DAVI-I); GIBSON P A (GIBS-I); TIRINATO J A (TIRI-I); ZALTSMAN L (ZALT-I); ZELIN M P (ZELI-I); I STAT CORP (ISTA-N)
Inventor: DAVIS G; GIBSON P A; TIRINATO J A; ZALTSMAN L; ZELIN M P
Number of Countries: 108 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040181528	A1	20040916	US 2003384820	A	20030311	200466 B
WO 200481746	A2	20040923	WO 2004US7333	A	20040311	200466

Priority Applications (No Type Date): US 2003384820 A 20030311

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20040181528	A1		24	G06F-017/30	
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WO 200481746	A2	E		G06F-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ
TR TZ UG ZM ZW

Abstract (Basic): US 20040181528 A1

NOVELTY - The system has a data input interface for entering data associated with diagnostic devices. The data has a current number of devices and a preset minimum number of devices in a main inventory. A processor executes a computer program for automatically updating current number of devices in a subinventory in response to an occurrence of an event that causes a change in the current number of devices in the subinventory.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a method of controlling an inventory of point-of-care diagnostic devices

(B) a method of distributing diagnostic devices with finite usable lifetime

(C) a method for controlling use of a diagnostic device in an inventory.

USE - Used for controlling inventory of a point-of-care diagnostic device e.g. blood testing device, that is utilized in a military combat site, cruise ship, a nursing home and hospital location e.g. emergency room (ER), critical care unit (CCU), pediatric intensive care unit (PICU), intensive care unit (ICU), renal dialysis unit (RDU), operating room (OR), cardiovascular operating room (CVOR) and a general ward (GW).

ADVANTAGE - The processor automatically updates the current number of devices in the subinventory in response to the occurrence of the event that is based on the device usage rate, thereby providing a

dynamic and flexible approach to manage the inventory of devices with a finite usable lifetime and reducing wastage rate of number of devices.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart illustrating steps for monitoring **shelf - life** of point-of-care diagnostic devices and replenishing a local inventory.

pp; 24 DwgNo 5/9

Title Terms: POINT; CARE; DIAGNOSE; DEVICE; BLOOD; TEST; DEVICE; INVENTORY; CONTROL; SYSTEM; NURSING; HOME; PROCESSOR; EXECUTE; COMPUTER; PROGRAM; AUTOMATIC; UPDATE; CURRENT; NUMBER; DEVICE

Derwent Class: S05; T01

International Patent Class (Main): G06F-000/00 ; G06F-017/30

File Segment: EPI

11/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015536444 **Image available**

WPI Acc No: 2003-598594/200356

XRFX Acc No: N03-476895

Inventory management system for inventory and revenue maximization, has scenario planner that displays various scenarios generated by central data storage system based on data from performance measurement and revenue maximization systems

Patent Assignee: CLEAR CHANNEL COMMUNICATIONS INC (CLEA-N)

Inventor: GINSBURG A; MURRAY D R; WEINBERGER A; WILLIAMS J

Number of Countries: 102 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200360647	A2	20030724	WO 2003US1056	A	20030115	200356 B
US 20030154142	A1	20030814	US 200245089	A	20020115	200360
AU 2003207549	A1	20030730	AU 2003207549	A	20030115	200421

Priority Applications (No Type Date): US 200245089 A 20020115

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200360647 A2 E 53 G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

US 20030154142 A1 G06F-017/60

AU 2003207549 A1 G06F-000/00 Based on patent WO 200360647

Abstract (Basic): WO 200360647 A2

NOVELTY - The system has a scenario planner (130) that displays various scenarios generated by a central data storage system (110). The central data storage system receives data from a performance measurement system (170) and a revenue maximization system (160) to generate scenarios in which various combinations of units are grouped together to meet a buyer's (120) criteria.

DETAILED DESCRIPTION - The performance measurement system measures the performance of a medium in which units of inventory are used. The revenue maximization system determines the price for the units based on predetermined pricing considerations. INDEPENDENT CLAIMS are included for the following:

(a) the inventory management process; and
 (b) the provision of various scenarios to a purchaser of units of opportunities to advertise.

USE - For inventory and revenue maximization. Useful in radio, TV and outdoor advertising media, car rental, cruise ship and other types of businesses.

ADVANTAGE - Performs enterprise management and bundling of **perishable** inventory which varies in value over its life, and is susceptible to value-based pricing to achieve maximum revenue. Maximizes revenue of **perishable** inventory such as TV, radio and outdoor advertisements and entertainment industry events using multiple variables in **inventory control** and optionally pricing fuzzy logic algorithms to create scenario plans which present the most profitable bundling of offerings and which meet the customer's needs. Ensures increased yield while improving customer experience by taking into consideration additional factors in price forecasting. Allows buyer to select particular times, shows, or locations to build various scenarios if the buyer has preferences or requirements in this regard. Analyzes product type to determine if a given advertised product has a particular repetition frequency that is optimal or a particular demographic.

DESCRIPTION OF DRAWING(S) - The figure shows the inventory management system.

Central data storage system (110)

Buyer (120)

Scenario planner (130)

Revenue maximization system (160)

Performance measurement system (170)

pp; 53 DwgNo 1/8

Title Terms: INVENTORY; MANAGEMENT; SYSTEM; INVENTORY; REVENUE; MAXIMISE; DISPLAY; VARIOUS; GENERATE; CENTRAL; DATA; STORAGE; SYSTEM; BASED; DATA; PERFORMANCE; MEASURE; REVENUE; MAXIMISE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-000/00 ; G06F-017/60

File Segment: EPI

11/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015218340 **Image available**

WPI Acc No: 2003-279253/200327

XRPX Acc No: N03-221772

Product display planogram generation method for retail store uses data input to personal digital assistant during peak shopping times to update store's inventory and planogram

Patent Assignee: PRO-CORP HOLDINGS INT LTD (PROH-N)

Inventor: CAPAZARIO M J; RUBIN J D; CAPAZARIO M; RUBIN J

Number of Countries: 102 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200325805	A1	20030327	WO 2002AU1276	A	20020918	200327 B
US 20030154141	A1	20030814	US 2001323397	P	20010918	200355
			US 2002246384	A	20020918	
EP 1436742	A1	20040714	EP 2002766952	A	20020918	200446
			WO 2002AU1276	A	20020918	
AU 2002331437	A1	20030401	AU 2002331437	A	20020918	200452

Priority Applications (No Type Date): US 2001323397 P 20010918; US 2002246384 A 20020918

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200325805 A1 E 24 G06F-017/60
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN
YU ZA ZM ZW
Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
US 20030154141 A1 G06F-017/60 Provisional application US 2001323397

EP 1436742 A1 E G06F-017/60 Based on patent WO 200325805
Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
AU 2002331437 A1 G06F-017/60 Based on patent WO 200325805

Abstract (Basic): WO 200325805 A1

NOVELTY - Data associated with a group of products on display for sale and with the quantity of specific products are input to a personal digital assistant (PDA) and downloaded to a central computer which modifies an existing planogram. The data is analyzed to determine a peak purchase time for the product and to control the ordering of a product.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for ;

1. A system for optimizing a product display.
2. A method of managing inventory.
3. A system for optimizing stocking and delivery.
4. A method of managing **perishable** products.

USE - For use in optimizing the relationship between product quantities and product displays within a retail store.

ADVANTAGE - The method permits preparation of specific planograms for each store rather than for each region, taking account of demographics and the data can be input to the PDA during critical shopping times, downloaded to a network server and shared via the Internet giving access to regional or global data.

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart of an **inventory control** system.

pp; 24 DwgNo 1/9

Title Terms: PRODUCT; DISPLAY; GENERATE; METHOD; RETAIL; STORAGE; DATA; INPUT; PERSON; DIGITAL; ASSIST; PEAK; SHOPPING; TIME; UPDATE; STORAGE; INVENTORY

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): **G06F-153/00**

File Segment: EPI

11/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015180654 **Image available**

WPI Acc No: 2003-241185/200324

XRPX Acc No: N03-192017

Product manufacturing data processing method for perishable food stuffs, involves storing manufacturing data including raw material block identification number in link with product identification number

Patent Assignee: TERAOKA SEIKO CO LTD (TERA)

Inventor: KANNO T; OONO T; TERAOKA K

Number of Countries: 028 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1271378	A2	20030102	EP 200214034	A	20020627	200324	B
JP 2003016528	A	20030117	JP 2001199911	A	20010629	200324	
US 20030004750	A1	20030102	US 2002183880	A	20020627	200324	
JP 2003168170	A	20030613	JP 2001363366	A	20011128	200348	
JP 2003196743	A	20030711	JP 2001391897	A	20011225	200355	
JP 2003242225	A	20030829	JP 200240602	A	20020218	200366	

Priority Applications (No Type Date): JP 200240602 A 20020218; JP 2001199911 A 20010629; JP 2001363366 A 20011128; JP 2001391897 A 20011225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1271378	A2	E	56	G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
JP 2003016528	A		15	G07G-001/00	
US 20030004750	A1			G06F-017/60	
JP 2003168170	A		16	G07G-001/12	
JP 2003196743	A		17	G07G-001/06	
JP 2003242225	A		14	G06F-017/60	

Abstract (Basic): EP 1271378 A2

NOVELTY - A product identification number is printed as a machine readable code such as bar code on the price label of each food product. Manufacturing data including raw material identification number is included with product identification number.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Weight pricing device;
- (2) Product sales data processing method;
- (3) Product sales data processing device;
- (4) Product pricing method;
- (5) Product registration processing method;
- (6) Product;
- (7) Pricing device;
- (8) POS system;
- (9) Product pricing and registration system;
- (10) Product discounting method; and
- (11) Product discounting system.

USE - For performing accurate **inventory control** and managing gross margins for foodstuffs.

ADVANTAGE - Individual management of manufacturing data for foodstuff is possible.

DESCRIPTION OF DRAWING(S) - The figure shows a layout diagram of a store.

pp; 56 DwgNo 1/33

Title Terms: PRODUCT; MANUFACTURE; DATA; PROCESS; METHOD; **PERISHABLE** ; FOOD; STUFF; STORAGE; MANUFACTURE; DATA; RAW; MATERIAL; BLOCK; IDENTIFY; NUMBER; LINK; PRODUCT; IDENTIFY; NUMBER

Derwent Class: P75; T01; T04; T05

International Patent Class (Main): **G06F-017/600** ; G07G-001/00; G07G-001/06; G07G-001/12

International Patent Class (Additional): B41J-003/01; G06K-001/12; G06K-007/00; G06K-017/00

File Segment: EPI; EngPI

11/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015022822 **Image available**

WPI Acc No: 2003-083339/200308

XRPX Acc No: N03-065646

Pharmaceutical package handling system used in hospitals has stock center apparatus which package pharmaceutical products depending on purchase order from hospital and pharmacy

Patent Assignee: MITSUI BUSSAN KK (MITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002312482	A	20021025	JP 2001117719	A	20010417	200308 B

Priority Applications (No Type Date): JP 2001117719 A 20010417

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2002312482 A 6 G06F-017/60

Abstract (Basic): JP 2002312482 A

NOVELTY - A stock center apparatus (3) is installed in a pharmaceutical stock center (2) for stocking wholesale of pharmaceutical products. The apparatus package pharmaceutical products, with manufacture lot number and **expiration date** attached to the package, depending on purchase order from a hospital and pharmacy.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a pharmacy support system.

USE - Used in hospitals, clinics and pharmacies.

ADVANTAGE - Improves finance support function of the pharmacy. Ensures unitary management of the **inventory control** of the pharmaceuticals based on the dispensing information.

DESCRIPTION OF DRAWING(S) - The figure is a functional block diagram of a system. (The drawing includes non-English language text.)

Pharmaceutical stock center (2)

Stock center apparatus (3)

pp; 6 DwgNo 2/3

Title Terms: PHARMACEUTICAL; PACKAGE; HANDLE; SYSTEM; HOSPITAL; STOCK; APPARATUS; PACKAGE; PHARMACEUTICAL; PRODUCT; DEPEND; PURCHASE; ORDER;

HOSPITAL; PHARMACEUTICAL

Derwent Class: P33; S05; T01

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): A61J-003/00

File Segment: EPI; EngPI

11/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014807259 **Image available**

WPI Acc No: 2002-627965/200267

XRPX Acc No: N02-496539

Tracking time-sensitive vegetable item inventories by establishing demand for items, establishing production plan and reserving items

Patent Assignee: FALKENSTEIN G F (FALK-I); FISCHER USA INC (FISC-N)

Inventor: DELEEUEW D A; FISCHER N; FALKENSTEIN G F

Number of Countries: 101 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200271300	A2	20020912	WO 2002US4732	A	20020219	200267 B

US 20020165782	A1	20021107	US 2001268867	P	20010216	200275
			US 200276958	A	20020219	
EP 1362317	A1	20031119	EP 2002707803	A	20020219	200377
			WO 2002US4732	A	20020219	
AU 2002242187	A1	20020919	AU 2002242187	A	20020219	200433
CN 1502086	A	20040602	CN 2002808186	A	20020219	200465
JP 2005507517	W	20050317	JP 2002570150	A	20020219	200520
			WO 2002US4732	A	20020219	
MX 2003007360	A1	20050301	WO 2002US4732	A	20020219	200568
			MX 20037360	A	20030815	

Priority Applications (No Type Date): US 2001268867 P 20010216; US 200276958 A 20020219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200271300 A2 E 126 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020165782 A1 G06F-017/60 Provisional application US 2001268867

EP 1362317 A1 E G06F-017/60 Based on patent WO 200271300

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

AU 2002242187 A1 G06F-017/60 Based on patent WO 200271300

CN 1502086 A G06F-017/60

JP 2005507517 W 176 G06F-017/60 Based on patent WO 200271300

MX 2003007360 A1 G06F-017/60 Based on patent WO 200271300

Abstract (Basic): WO 200271300 A2

NOVELTY - Method consists in establishing demand for the time period sensitive item for each time period, establishing a production plan for producing the source item and reserving the vegetable items for the established demand on a time period basis. The time period sensitive item is a vegetative cutting or plug seedling and the source item is a stock plant or seed.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for:

(1) An **inventory control** system

(2) A computer program for tracking time-sensitive vegetable item inventories

USE - Method is for inventory management of short **shelf life** products such as vegetables or plant seedlings.

DESCRIPTION OF DRAWING(S) - The figure shows an overall diagram of a system for the tracking method.

pp; 126 DwgNo 1/81

Title Terms: TRACK; TIME; SENSITIVE; VEGETABLE; ITEM; INVENTORY; ESTABLISH; DEMAND; ITEM; ESTABLISH; PRODUCE; PLAN; RESERVE; ITEM

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

11/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014638715 **Image available**

WPI Acc No: 2002-459419/200249

XRPX Acc No: N02-362509

**Electronic perishable goods ordering system e.g. for ordering
foodstuffs, calculates volume of goods to be ordered from retailer, based
on sales performance of that retailer**

Patent Assignee: VENTURE LINK COMMUNICATIONS KK (VENT-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002133214	A	20020510	JP 2000328390	A	20001027	200249 B

Priority Applications (No Type Date): JP 2000328390 A 20001027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002133214	A		7	G06F-017/60	

Abstract (Basic): JP 2002133214 A

NOVELTY - A server (B) computes and recommends volume of goods to be ordered by a retailer, based on the sales performance of the retailer.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Server; and
- (2) Sales terminal in shop.

USE - For ordering **perishable** goods like foodstuffs.

ADVANTAGE - Prevents unnecessary ordering of goods and supports **inventory control** of the retailer shop.

DESCRIPTION OF DRAWING(S) - The figure shows a model schematic diagram of the electronic goods order system. (Drawing includes non-English language text).

Server (B)
pp; 7 DwgNo 1/5

Title Terms: ELECTRONIC; **PERISHABLE**; GOODS; ORDER; SYSTEM; ORDER; FOOD;

CALCULATE; VOLUME; GOODS; ORDER; RETAIL; BASED; SALE; PERFORMANCE; RETAIL

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

11/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014339285 **Image available**

WPI Acc No: 2002-159988/200221

XRPX Acc No: N02-122191

**Freshness management for fresh material e.g. foodstuffs, involves
computing for freshness value of fresh material in each point of fresh
material transport, based on material freshness data**

Patent Assignee: KOSUMAKKU KK (KOSU-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001354311	A	20011225	JP 2000179186	A	20000614	200221 B

Priority Applications (No Type Date): JP 2000179186 A 20000614

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001354311	A		31	B65G-001/137	

Abstract (Basic): JP 2001354311 A

NOVELTY - An electronic calculating unit computes for the **freshness** value of a fresh material in each point of the fresh material transport or distribution, based on the **freshness** data e.g. transportation time or temperature, of the material. The computed **freshness** value, which corresponds to a desired **freshness** value, is displayed on an electronic presentation device.

DETAILED DESCRIPTION - An electronic memory stores the **freshness** value and the related data. An INDEPENDENT CLAIM is also included for a **freshness** management system.

USE - For managing **freshness** of fresh material e.g. foodstuffs.

ADVANTAGE - Ensures real time **freshness** management, by using e.g. computer, internet, for flow of **freshness** related data. Eases merchandise management and/or **inventory control**. Provides useful data about **freshness** of certain product to consumer.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a **freshness** management system. (Drawing includes non-English language text).

pp; 31 DwgNo 1/25

Title Terms: FRESH; MANAGEMENT; FRESH; MATERIAL; FOOD; COMPUTATION; FRESH; VALUE; FRESH; MATERIAL; POINT; FRESH; MATERIAL; TRANSPORT; BASED; MATERIAL; FRESH; DATA

Derwent Class: Q35; T01

International Patent Class (Main): B65G-001/137

International Patent Class (Additional): G06F-017/60

File Segment: EPI; EngPI

11/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014045943 **Image available**

WPI Acc No: 2001-530156/200158

XRPX Acc No: N01-393521

Product specific information manipulation method involves providing aggregated product specific information received from storage device of anonymous user to product supplier

Patent Assignee: NEOMEDIA TECHNOLOGIES INC (NEOM-N); MILLER G P (MILL-I); MILLER M (MILL-I)

Inventor: MILLER G P; MILLER M; MILLER M R

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200165458	A1	20010907	WO 2001US6828	A	20010301	200158 B
AU 200143393	A	20010912	AU 200143393	A	20010301	200204
US 20020072970	A1	20020613	US 2000185963	P	20000301	200243
			US 2001795919	A	20010227	

Priority Applications (No Type Date): US 2000185963 P 20000301; US 2001795919 A 20010227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200165458 A1 E 44 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200143393 A G06F-017/60 Based on patent WO 200165458
US 20020072970 A1 G06F-017/60 Provisional application US 2000185963

Abstract (Basic): WO 200165458 A1

NOVELTY - The product specific information stored in a storage device of an anonymous user is received and aggregated. The aggregated information is provided to a product supplier.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for product specific information manipulating system.

USE - For manipulating product specific information for facilitating transaction between user and supplier such as retailer, manufacturer and other suppliers of product for product sales improvement, providing information related to special offer, offer **expiration date**, special incentives and special tracking number. Also for specific information manipulation in traffic flow simulation, electrical circuit designing, economics model preparation, air-traffic **control system**, **inventory control**, geometrical measurement, etc and ceramic piston engine designing, etc.

ADVANTAGE - Allows supplier of the product to view into the consumer's database to verify consumer's interest thereby improving sales.

DESCRIPTION OF DRAWING(S) - The figure shows the process flow explaining product specific information aggregation.

pp; 44 DwgNo 3/5

Title Terms: PRODUCT; SPECIFIC; INFORMATION; MANIPULATE; METHOD; AGGREGATE; PRODUCT; SPECIFIC; INFORMATION; RECEIVE; STORAGE; DEVICE; USER; PRODUCT; SUPPLY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

11/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013855655 **Image available**

WPI Acc No: 2001-339868/200136

XRPX Acc No: N01-245852

Inventory control apparatus for refrigerator, exhibition stand, has personal computer to calculate amount of stock of each food using data read by reader attached to door

Patent Assignee: KURA CORP KK (KURA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001092909	A	20010406	JP 99267165	A	19990921	200136 B

Priority Applications (No Type Date): JP 99267165 A 19990921

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001092909	A		4	G06F-019/00	

Abstract (Basic): JP 2001092909 A

NOVELTY - A personal computer (3) calculates the amount of stock of each food, using the data received from the reader (2) attached to door (41) of refrigerator (1). The reader reads expiry data from the tag (5) which is attached to the food (6), when the food is stored or extracted from the refrigerator. An alarm lamp (42) alerts the staff, if **perishable** stock is more.

USE - For calculating stock of **perishable** food such as sushi stored in food storage case e.g. refrigerator, exhibition stand in stores.

ADVANTAGE - The amount of stock of food is known quickly, without applying human labor, hence wastage of **perishable** goods can be avoided by taking actions based on the obtained information.

DESCRIPTION OF DRAWING(S) - The figure shows the perspective view of the **inventory control** apparatus.

Refrigerator (1)
Reader (2)
Personal computer(5) Tag (3)
Food (6)
Door (41)
Alarm lamp (42)
pp; 4 DwgNo 1/1

Title Terms: INVENTORY; CONTROL; APPARATUS; REFRIGERATE; EXHIBIT; STAND;
PERSON; COMPUTER; CALCULATE; AMOUNT; STOCK; FOOD; DATA; READ; READ;
ATTACH; DOOR

Derwent Class: Q35; T01

International Patent Class (Main): **G06F-019/00**

International Patent Class (Additional): B65G-001/137

File Segment: EPI; EngPI

11/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013853095 **Image available**

WPI Acc No: 2001-337308/200136

XRPX Acc No: N01-243582

Products managing method for inventory control of perishable goods by recording shelf - life limitation information in database

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: OGASAWARA N

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2354620	A	20010328	GB 200013659	A	20000605	200136 B
JP 2001109820	A	20010420	JP 2000248586	A	20000818	200139
US 6327576	B1	20011204	US 99400124	A	19990921	200203
US 20020016739	A1	20020207	US 99400124	A	19990921	200213
			US 2001973303	A	20011009	
GB 2354620	B	20030924	GB 200013659	A	20000605	200365

Priority Applications (No Type Date): US 99400124 A 19990921; US 2001973303 A 20011009

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2354620	A		36	G06F-017/60	
JP 2001109820	A		14	G06F-017/60	
US 6327576	B1			G06G-001/14	
US 20020016739	A1			G06G-001/14	Div ex application US 99400124
GB 2354620	B			G06F-017/60	

Abstract (Basic): GB 2354620 A

NOVELTY - The **shelf - life** limitation information read from an RFID label of each product item is recorded in a database. The purchaser's accessible system i.e. refrigerator is programmed to provide on-screen and/or printed reports of lists of purchases and

corresponding retrieved **shelf - life** .

DETAILED DESCRIPTION - An INDEPENDENT claim is also included for a system for controlling product items with **shelf - life** limitations, an apparatus for controlling product items.

USE - For **inventory control** of **perishable** goods.

ADVANTAGE - It allows customers to maintain a **perishable inventory control** with minimum effort and without human intervention.

DESCRIPTION OF DRAWING(S) - The figure shows simplified, semi-schematic diagram of **expiration date** management system using bar code information.

Point-Of-Sale Terminal (10)

Scanner (12)

Electronic Receipt (18)

Web Server (20)

Storage (22)

Home Terminal (24)

pp; 36 DwgNo 1/7

Title Terms: PRODUCT; MANAGE; METHOD; INVENTORY; CONTROL; **PERISHABLE** ;

GOODS; RECORD; SHELF; LIFE; LIMIT; INFORMATION; DATABASE

Derwent Class: T01; T05; X25

International Patent Class (Main): **G06F-017/60** ; G06G-001/14

International Patent Class (Additional): G06K-017/00; G07G-001/12;

G07G-001/14

File Segment: EPI

11/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011849733 **Image available**

WPI Acc No: 1998-266643/199824

XRPX Acc No: N98-210365

Inventory control method in fresh foodstuff distribution system - in which final delivery condition and inventory arrangement position are decided based on turnover of goods and freshness restrictions

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10087036	A	19980407	JP 96243486	A	19960913	199824 B

Priority Applications (No Type Date): JP 96243486 A 19960913

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10087036	A		11	B65G-001/137	

Abstract (Basic): JP 10087036 A

The method involves computing shipment time based on manufacturing date and delivery time of goods with reference to predefined **freshness** maintenance restrictions. The extract of the inventory which satisfies **freshness** conditions is sequentially done with respect to received order information. A final delivery condition and an inventory arrangement position are decided based on turnover of goods and **freshness** restrictions.

ADVANTAGE - Enables reliable delivery of fresh goods.

Dwg.1/21

Title Terms: INVENTORY; CONTROL; METHOD; FRESH; FOOD; DISTRIBUTE; SYSTEM; FINAL; DELIVER; CONDITION; INVENTORY; ARRANGE; POSITION; DECIDE; BASED;

TURNOVER; GOODS; FRESH; RESTRICT
Derwent Class: Q35; T01
International Patent Class (Main): B65G-001/137
International Patent Class (Additional): **G06F-017/60 ; G06F-019/00**
File Segment: EPI; EngPI

11/5/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009525419 **Image available**
WPI Acc No: 1993-218960/199327
XRPX Acc No: N93-167777

Automatic machine tool dispensing system - has helical coil and robotic delivery devices with central host computer receiving user security codes for operation control

Patent Assignee: ELECTRONIC MERCHANDISING SYSTEMS INC (ELME-N)

Inventor: SAVAGE K V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5205436	A	19930427	US 91788336	A	19911106	199327 B

Priority Applications (No Type Date): US 91788336 A 19911106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5205436	A		15	G06F-007/00	

Abstract (Basic): US 5205436 A

The system includes one or more automatic tool dispensers interconnected and controlled by the host computer. Automatic tool dispensers may be placed at various locations about manufacturing and other facilities to provide decentralised distribution of reusable and **perishable** tools and supplies near work stations, providing constant, but controlled access to tools. Data entry device are used to operate the automatic tool dispensers. Indicia may be entered to selectively operate the automatic tool dispensers to dispense a tool, or a plurality of tools as a kit.

The data entry devices also provide data which can assist in **inventory control**, tracking and tool usage. Tool delivery system are provided in the automatic tool dispenser including adjustable helical coil delivery devices and robotic delivery systems. Tool return devices are also provided which permit reuse of used tools recycling of worn-out tools and additional data regarding use.

ADVANTAGE - Improved productivity. Reduced pilferage.

Dwg.2/6

Title Terms: AUTOMATIC; MACHINE; TOOL; DISPENSE; SYSTEM; HELICAL; COIL; ROBOT; DELIVER; DEVICE; CENTRAL; HOST; COMPUTER; RECEIVE; USER; SECURE; CODE; OPERATE; CONTROL

Derwent Class: Q35; T01; T06; X25

International Patent Class (Main): **G06F-007/00**

International Patent Class (Additional): B65G-049/00

File Segment: EPI; EngPI

11/5/16 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07382956 **Image available**
INVENTORY CONTROL DEVICE AND ITS SYSTEM

PUB. NO.: 2002-251456 [JP 2002251456 A]
PUBLISHED: September 06, 2002 (20020906)
INVENTOR(s): YOSHIDA JIYUNICHIRO
 TOBISAWA ATSUSHI
 SATO KOJI
 ABE KAZUYUKI
 FUJISAKI SHINYA
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2001-045392 [JP 200145392]
FILED: February 21, 2001 (20010221)
INTL CLASS: **G06F-017/60**

ABSTRACT

PROBLEM TO BE SOLVED: To reduce waste of inventory while carrying a lot of inventory.

SOLUTION: Inventory masters 111, 121 storing data indicating a quantity of stock for goods and the **expiration date** of the goods, expenditure masters 112, 123 storing data indicating a quantity of goods expended and the expended date of the goods, prediction parts 115, 125 predicting remaining stock of goods after **expiration date** based on the data stored in the inventory masters 111, 121 and also in the expenditure master 112, 123, and display parts 116, 126 to present the results of prediction made by the prediction parts 115, 125.

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11/5/17 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06397279 **Image available**
CHECK SYSTEM UTILIZING NEW BAR CODE

PUB. NO.: 11-338930 [JP 11338930 A]
PUBLISHED: December 10, 1999 (19991210)
INVENTOR(s): SUZUKI TOSHIFUMI
APPLICANT(s): SEVEN ELEVEN JAPAN CO LTD
APPL. NO.: 10-148112 [JP 98148112]
FILED: May 28, 1998 (19980528)
INTL CLASS: **G06F-017/60** ; G06K-019/06; G07G-001/12

ABSTRACT

PROBLEM TO BE SOLVED: To make anyone able to easily and efficiently perform management and check by utilizing a new bar code and a POS system in the commodity examination, the **freshness** management of commodities and the **inventory control** of the commodities in a convenience store.

SOLUTION: This check system is composed of a commodity bar code of which the first digit of the JAN code 3 of 13 digits is used as an in-store identifier, the last digit is used as a check code and the remaining 11 digits are appropriately allocated to a commodity code of 6 digits, a delivery section code of 1 digit, a vender identifier of 3 digits and a delivery day-of-the-week code of 1 digit and the POS system with a bar code reader for receiving the commodity master information of the commodity code

and sales **freshness** and the delivery data of the commodity code before delivery, the day of the week of the delivery and a delivery number, etc., from the computer of a center beforehand. It is used for a article check for collating the delivery data and the actual conditions of the delivered commodities by reading all the commodity bar codes at the time commodity delivery by the bar code reader.

Set	Items	Description
S1	30812	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE OR PAST) OR BEST(2W)DATE OR FRESHNESS OR PERISHAB?
S2	1724	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (1W) (RECEI- PT? OR REPORT? OR LIST?)
S3	106469	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER?
S4	970223	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	52074	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	21451	S5 AND (S3 OR S4)
S7	76	S6 AND S1
S8	1	S7 AND S2
S9	2458	INVENTORY(1N)CONTROL
S10	26	S9 AND S1
S11	17	S10 AND IC=G06F?
S12	2410411	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S13	1398	S12 AND S1
S14	43	S13 AND S5
S15	26	S14 AND (S3 OR READER? OR S4)
S16	7	S15 AND IC=G06F-017/60
S17	10	S15 AND IC=G06F?
S18	9	S17 NOT S11

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200572
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File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO

Considered 9/7 11/28/05

18/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017361641 **Image available**
WPI Acc No: 2005-685285/200571
XRPX Acc No: N05-562005

Cold-packed goods condition monitoring apparatus in delivery merchandise management system, displays goods damage rate representing value which is incremented whenever packed goods temperature reaches upper limit set for specific time

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: NAKASHIMA K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2005265302	A	20050929	JP 200478667	A	20040318	200571 B

Priority Applications (No Type Date): JP 200478667 A 20040318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2005265302	A		22	F25D-023/00	

Abstract (Basic): JP 2005265302 A

NOVELTY - An **electronic tag** attached to goods packed in cold-storage box, has temperature sensor to **sense** goods temperature and transmit the goods temperature to the monitoring apparatus. When the goods temperature reaches upper limit set for specific time after delivery, the goods damage rate representing value is incremented and displayed in the apparatus to represent the extent of goods damage.

USE - For monitoring condition of cold-packed goods e.g. **perishable** foodstuff, in delivery merchandise management system.

ADVANTAGE - The extent of the damage of the goods is presented to the customer, reliably to ensure safety.

DESCRIPTION OF DRAWING(S) - The figure shows the data structure of sales information management **database** . (Drawing includes non-English language text).

pp; 22 DwgNo 3/12

Title Terms: COLD; PACK; GOODS; CONDITION; MONITOR; APPARATUS; DELIVER; MERCHANDISE; MANAGEMENT; SYSTEM; DISPLAY; GOODS; DAMAGE; RATE; REPRESENT; VALUE; INCREMENT; PACK; GOODS; TEMPERATURE; REACH; UPPER; LIMIT; SET; SPECIFIC; TIME

Derwent Class: Q32; Q35; Q75; S02; S03; T01; T04; X27

International Patent Class (Main): F25D-023/00

International Patent Class (Additional): B65D-025/20; B65G-061/00;

G01K-001/02; **G06F-017/60** ; G06K-017/00

File Segment: EPI; EngPI

18/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016088832
WPI Acc No: 2004-246707/200423
XRAM Acc No: C04-096448
XRPX Acc No: N04-195659

Counterfeit product e.g. medicine recognizing method, involves storing unique identification numbers in database on world wide web and scanning bar codes to match them against database for validation at

time of sales

Patent Assignee: KUO W (KUOW-I); XU B (XUBB-I); XU J Z (XUJZ-I)

Inventor: KUO W; XU B; XU J Z

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040034579	A1	20040219	US 2002223132	A	20020819	200423 B

Priority Applications (No Type Date): US 2002223132 A 20020819

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040034579	A1		2 G06F-017/60	

Abstract (Basic): US 20040034579 A1

NOVELTY - The method involves putting a unique identification number in a form of a **bar code** on every product. The identification numbers are stored in a **database** on a world wide web. The **bar codes** are scanned to match them against the **database** for validation at the time of sales. Six two digit numbers are choose from set of 1-99 and the numbers are put together to form a twelve digit identification number.

USE - Used for recognizing a counterfeit product e.g. food and medicine.

ADVANTAGE - The method servers to protect both customers and manufacturers and prevents the sale of counterfeit products by utilizing the **bar code** technology and the World Wide Web to give each individual merchandise its unique identification number. The method helps to promote a product and can also be used to ensure that no product is sold after its **expiration date**.

pp; 2 DwgNo 0/0

Title Terms: COUNTERFEIT; PRODUCT; MEDICINE; RECOGNISE; METHOD; STORAGE; UNIQUE; IDENTIFY; NUMBER; **DATABASE** ; WORLD; WIDE; WEB; **SCAN** ; BAR; CODE ; MATCH; **DATABASE** ; VALID; TIME; SALE

Derwent Class: B07; D13; P76; T01; T04

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): B42D-015/00

File Segment: CPI; EPI; EngPI

18/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015668562 **Image available**

WPI Acc No: 2003-730749/200369

Related WPI Acc No: 2003-710523; 2003-744736; 2003-765781; 2003-829806; 2003-829807; 2003-897401; 2003-897462; 2003-900738; 2003-900740; 2003-900741; 2004-041504; 2004-167787; 2004-202118; 2004-387996; 2004-506048; 2004-615666; 2004-615800; 2004-625368; 2004-625578; 2004-625579; 2004-625580; 2004-625581; 2004-625582; 2004-625668; 2005-142751; 2005-240640

XRAM Acc No: C03-200953

XRPX Acc No: N03-584110

Administering medical treatment by determining whether operating parameters are consistent with medical treatment, and verifying that medical device is providing medical treatment to patient

Patent Assignee: BAXTER INT INC (BAXT); ACHARYA M (ACHA-I); ARMENTROUT L (ARME-I); HOFFMAN J (HOFF-I); KLAND M (KLAN-I); PAUL E S (PAUL-I); RADPAY S (RADP-I); STEPHENS C (STEP-I); TALACHIAN K (TALA-I); WILKES G J (WILK-I); BUI T (BUI-I); MARTUCCI J (MART-I); MIHAI D (MIHA-I); PAUL E

(PAUL-I); WILKES G (WILK-I)
 Inventor: ACHARYA M; BUI T; MARTUCCI J; MIHAI D; PAUL E; WILKES G;
 ARMENTROUT L; HOFFMAN J; KLAND M; PAUL E S; RADPAY S; STEPHENS C;
 TALACHIAN K; WILKES G J; MARTUCCI J P; RICHARDSON W R
 Number of Countries: 033 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030140928	A1	20030731	US 200259929	A	20020129	200369 B
			US 2002135180	A	20020430	
WO 200392769	A2	20031113	WO 2003US13110	A	20030428	200402
WO 200394090	A2	20031113	WO 2003US13095	A	20030428	200402
AU 2003228727	A1	20031117	AU 2003228727	A	20030428	200442
EP 1499372	A1	20050126	EP 2003726494	A	20030428	200508
			WO 2003US13110	A	20030428	
JP 2005529638	W	20051006	WO 2003US13335	A	20030428	200566
			JP 2004502233	A	20030428	
MX 2004010807	A1	20050301	MX 200410807	A	20010209	200568
			WO 2003US13095	A	20030428	
MX 2004010805	A1	20050301	MX 200410805	A	20010209	200568
			WO 2003US13110	A	20030428	

Priority Applications (No Type Date): US 2002135180 A 20020430; US
 200259929 A 20020129; US 2002376655 P 20020430; US 2002160429 A 20020531

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030140928	A1	25	A61B-019/00	CIP of application US 200259929	
WO 200392769	A2 E		A61M-005/14		
Designated States (National): AU CA JP MX NZ					
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR					
WO 200394090	A2 E		G06F-019/00		
Designated States (National): AU CA JP MX NZ					
Designated States (Regional): BE DE ES FR GB IT LU NL SE					
AU 2003228727	A1		A61M-005/14	Based on patent WO 200392769	
EP 1499372	A1 E		A61M-005/14	Based on patent WO 200392769	
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR					
JP 2005529638	W	39	A61M-031/00	Based on patent WO 200394091	
MX 2004010807	A1		G06F-019/00	Based on patent WO 200394090	
MX 2004010805	A1		A61M-005/14	Based on patent WO 200392769	

Abstract (Basic): US 20030140928 A1

NOVELTY - Administering a medical treatment by determining whether a medical treatment has been previously associated with a patient; determining whether operating parameters for a medical device are consistent with the medical treatment; enabling the medical device to provide the medical treatment to the patient; and verifying that the medical device is providing the medical treatment to the patient.

DETAILED DESCRIPTION - Administering medical treatment comprises:

- (1) assessing information related to the identity of a patient;
- (2) accessing information regarding the identity of a medical treatment having a treatment type;
- (3) determining whether the medical treatment has been previously associated with the patient;
- (4) providing a first error signal if the medical treatment has not been previously identified with the patient;
- (5) accessing information related to the identity of a medical device, the medical device configured to administer the medical treatment type;
- (6) determining whether operating parameters for the medical device are consistent with the medical treatment, the operating parameters

having been provided to the medical device without passing through a remote computer;

(7) providing a second error signal if the operating parameters for the medical device are not consistent with the medical treatment;

(8) enabling the medical device to provide the medical treatment to the patient; and

(9) verifying that the medical device is providing the medical treatment to the patient.

INDEPENDENT CLAIMS are also included for:

(1) a computer readable medium for administering medical treatment comprising:

(a) logic for accessing information related to the identity of a clinician (116);

(b) logic for accessing information regarding the identity of a medical treatment;

(c) logic for determining whether the medical treatment has been previously associated with the patient;

(d) logic for providing a first error signal if the medical treatment has not been previously identified with the patient;

(e) logic for accessing information related to the identity of a medical device configured to administer the medical treatment type;

(f) logic for determining whether operating parameter for the medical device are consistent with the medical treatment, the operating parameters having been provided from a central **computer**, the **operating** parameters having been provided to the medical device without passing through a remote computer;

(g) logic for providing a second error signal if the operating parameters for the medical device are not consistent with the medical treatment;

(h) logic for enabling the medical device to provide the medical treatment to the patient;

(i) logic for verifying that the medical device is providing the medical treatment to the patient; and

(j) logic for verifying the clinician is authorized to administer a medication (124) to the patient; and

(2) a patient care system having an identity verification device, the identity verification device comprising an infusion pump (102), a clinician identifier, a memory element having a first biometric identification file, a biometric **scanner**, a first processor at a remote location, and a second processor at a central location.

USE - The system is used for administering medical treatment.

ADVANTAGE - The system verifies that the right medication is provided to the right patient in the right dose at the right time, and via the right route.

DESCRIPTION OF DRAWING(S) - The figure shows a graphical representation of the patient care system.

Pharmacy computer (104)

Patient (112)

Clinician (116)

Clinician's badge (116a)

Medication (124)

pp; 25 DwgNo 1/8

Title Terms: ADMINISTER; MEDICAL; TREAT; DETERMINE; OPERATE; PARAMETER; CONSISTENT; MEDICAL; TREAT; VERIFICATION; MEDICAL; DEVICE; MEDICAL; TREAT; PATIENT.

Derwent Class: B07; P31; P33; P34; S05; T01

International Patent Class (Main): A61B-019/00; A61M-005/14; A61M-031/00;

G06F-019/00

International Patent Class (Additional): A61J-003/00; A61M-005/00;

G06K-017/00

File Segment: CPI; EPI; EngPI

18/5/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015320574 **Image available**

WPI Acc No: 2003-381509/200336

XRAM Acc No: C03-101262

XRPX Acc No: N03-304811

Medical product for integrated delivery system used for, e.g. sedation and analgesia, has quality assurance module storing information comprising identifier unique to the medical product and/or to the origin of the product

Patent Assignee: SCOTT LAB INC (SCOT-N)

Inventor: COBB N E; HICKLE R S

Number of Countries: 102 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200326558	A2	20030403	WO 2002US30184	A	20020924	200336 B
US 20030074223	A1	20030417	US 2001324043	P	20010924	200336
			US 2002252818	A	20020924	
EP 1436029	A2	20040714	EP 2002768888	A	20020924	200446
			WO 2002US30184	A	20020924	
AU 2002331894	A1	20030407	AU 2002331894	A	20020924	200461
JP 2005503867	W	20050210	WO 2002US30184	A	20020924	200511
			JP 2003530197	A	20020924	
CN 1592643	A	20050309	CN 2002823311	A	20020924	200542
MX 2004002759	A1	20050401	WO 2002US30184	A	20020924	200571
			MX 20042759	A	20040324	

Priority Applications (No Type Date): US 2001324043 P 20010924; US 2002252818 A 20020924

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200326558 A2 E 33 A61J-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030074223 A1 G06F-017/60 Provisional application US 2001324043

EP 1436029 A2 E A61M-011/00 Based on patent WO 200326558

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002331894 A1 A61J-000/00 Based on patent WO 200326558

JP 2005503867 W 56 A61J-003/00 Based on patent WO 200326558

CN 1592643 A A61M-011/00

MX 2004002759 A1 A61M-011/00 Based on patent WO 200326558

Abstract (Basic): WO 200326558 A2

NOVELTY - A medical product is marked with a quality assurance module. The quality assurance module stores information relating to the product. The information comprises an identifier unique to the medical product and/or to the origin of the product.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) an integrated drug delivery system comprising a patient health monitor device coupled to a patient and generating a signal reflecting

physiological condition(s) of the patient; a drug delivery controller supplying drug(s) to the patient; the inventive medical product(s) removably coupled to the system; a **reader** device for reading information stored on the quality assurance module of the medical product; a memory device storing a safety data set reflecting safe and undesirable parameters of at least one monitored patient physiological condition and reflecting safe and undesirable parameters of the medical product; and an **electronic** controller (which receives the signals and in response manages the application of the drugs in accord with the safety data set) interconnected between the patient health monitor, the drug delivery controller, the **reader** device, and the memory device storing the safety data set; and

(2) a method of assuring quality, safety, and/or certified manufacture of a medical product to be used with a medical system, comprising tagging the medical product with a quality assurance module comprising an information related to the medical product including an identifier unique to the medical product and/or to the origin of the product, sensing the information on the module, comparing the information to parameters (signifying as quality, safety, and/or certified manufacture), and rejecting the use of the product with the medical system if the comparison suggests that the product is not of quality, safety, and/or certified manufacture.

USE - For an integrated delivery system used for sedation and analgesia, deep sedation, and/or general anesthesia.

ADVANTAGE - The invention prevents unsafe reuse of tainted disposable components, supplies, and kits of a drug administration device or system; enhances quality assurance; prevents misuse; and facilitates product recall, tracking, or similar measures taken with respect to medical products.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of the invention.

pp; 33 DwgNo 1/8

Title Terms: MEDICAL; PRODUCT; INTEGRATE; DELIVER; SYSTEM; SEDATIVE; ANALGESIC; QUALITY; ASSURE; MODULE; STORAGE; INFORMATION; COMPRISE; IDENTIFY; UNIQUE; MEDICAL; PRODUCT; ORIGIN; PRODUCT

Derwent Class: B07; P33; P34; S05; T06

International Patent Class (Main): A61J-000/00; A61J-003/00; A61M-011/00;

G06F-017/60

International Patent Class (Additional): A61M-015/00; G06K-017/00;

G06K-019/06; G06K-019/07; G08B-013/14

File Segment: CPI; EPI; EngPI

18/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014517421 **Image available**

WPI Acc No: 2002-338124/200237

XPX Acc No: N02-265752

Information technology system for software configuration management system, provides various kinds of services to owner of S-label based on data read from label, when RFID is authenticated

Patent Assignee: NIPPON INFORMATION SYSTEM KK (NIIN-N); TOMON I (TOMO-I)

Inventor: TOMON I

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020007325	A1	20020117	US 2000727961	A	20001201	200237 B
JP 2002150241	A	20020524	JP 200154625	A	20010228	200250

Priority Applications (No Type Date): JP 2000210303 A 20000711

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020007325 A1 19 G06F-017/60

JP 2002150241 A 13 G06K-017/00

Abstract (Basic): US 20020007325 A1

NOVELTY - A reading unit reads out data including radio frequency identification (**RFID**) recorded on a S-label. An authentication unit authenticates the **read RFID** . A service providing unit provides various kinds of services to an owner of the S-label based on **read** data, when **RFID** is authenticated.

USE - For issuing unified identifications (IDs) to manage commercial goods or services between different departments such as accounting department, material department, marketing department, branch, warehouse in company through Internet. Also used for software configuration management (SCM) system in apparel business, physical distribution management system which centers on a truck operation/management and a tracking system, physical distribution management system which centers on entering and dispatching from warehouse and inventory/stocktaking management, **freshness** management system for goods, real and false management/history management system for goods, management system in laundry business, extensive personal authentication management system and ticketless system for reservation and admission.

ADVANTAGE - Provision of **database** at each store is eliminated. Even a person who is unfamiliar with **database** operation, readily obtains detailed information about the goods. The information is transmitted and received by utilizing S-label on which **RFID** is recorded so that construction and change of network are facilitated, thereby reducing initial cost and development time required for construction of network.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of information technology (IT) system.

pp; 19 DwgNo 1/14

Title Terms: INFORMATION; TECHNOLOGY; SYSTEM; SOFTWARE; CONFIGURATION; MANAGEMENT; SYSTEM; VARIOUS; KIND; SERVICE; OWNER; LABEL; BASED; DATA; **READ** ; LABEL; AUTHENTICITY

Derwent Class: T01; T05; W02

International Patent Class (Main): **G06F-017/60** ; G06K-017/00

International Patent Class (Additional): B65G-061/00; G06K-019/07; G06K-019/077

File Segment: EPI

18/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014128814

WPI Acc No: 2001-613024/200171

XRPX Acc No: N01-457734

Price label issue procedure for perishable foodstuff, involves identifying barcode printed label being sent from goods sponsor and placing goods for allowing computer system to read barcode

Patent Assignee: CISCOR KK (CISC-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001122235	A	20010508	JP 99343743	A	19991027	200171 B

Priority Applications (No Type Date): JP 99343743 A 19991027

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001122235 A 4 B65C-009/46

Abstract (Basic): JP 2001122235 A

NOVELTY - A **barcode** is printed on label directly adhered to goods, by goods sponsor in a specific format indicating transaction between concerned persons, for identification of the goods. The receiving person identifies the label and places the goods specifically such that **computer system** reads the **bar code** and specifies actual identity of the goods.

USE - To issue price label for **perishable** foodstuff such as vegetables, fruits, meat and fish, in foodstuff processing plant accompanying store.

ADVANTAGE - The agreement established between persons involved in transaction of goods is specified effectively in the code and issuing display label within a short time by the good's receipt person is facilitated.

pp; 4 DwgNo 0/0

Title Terms: PRICE; LABEL; ISSUE; PROCEDURE; **PERISHABLE** ; FOOD; IDENTIFY; PRINT; LABEL; SEND; GOODS; PLACE; GOODS; ALLOW; COMPUTER; SYSTEM; **READ**

Derwent Class: Q31; T04; T05

International Patent Class (Main): B65C-009/46

International Patent Class (Additional): **G06F-017/30** ; G06K-001/12

File Segment: EPI; EngPI

18/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010135473 **Image available**

WPI Acc No: 1995-036724/199505

XRPX Acc No: N95-028889

Portable appts. for checking use-by dates on products with limited shelf life - uses optical or sonic communications with electronic label to display use-by dates and other data

Patent Assignee: BIESMANS J (BIES-I); MARTIN C (MART-I)

Inventor: BIESMANS J; MARTIN C

Number of Countries: 019 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9429805	A1	19941222	WO 94FR681	A	19940609	199505 B
FR 2706653	A1	19941223	FR 937279	A	19930610	199506
EP 702814	A1	19960327	EP 94918900	A	19940609	199617
			WO 94FR681	A	19940609	
EP 702814	B1	19970312	EP 94918900	A	19940609	199715
			WO 94FR681	A	19940609	
DE 69402070	E	19970417	DE 602070	A	19940609	199721
			EP 94918900	A	19940609	
			WO 94FR681	A	19940609	

Priority Applications (No Type Date): FR 937279 A 19930610

Cited Patents: 03Jnl.Ref; EP 142688; FR 2444974; FR 2695741; JP 55101068;

JP 60011963; US 5243579; US 5262940; US 5335509

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 9429805 A1 17 G06F-015/24

Designated States (National): CA US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE
EP 702814 A1 F 17 G06F-015/24 Based on patent WO 9429805
Designated States (Regional): BE CH DE DK ES FR GB IT LI SE
EP 702814 B1 F 7 G06F-017/60 Based on patent WO 9429805
Designated States (Regional): BE CH DE DK ES FR GB IT LI SE
DE 69402070 E G06F-017/60 Based on patent EP 702814
Based on patent WO 9429805
FR 2706653 A1 G06F-015/20

Abstract (Basic): WO 9429805 A

The portable checking unit has a case (1) with a keypad (2) and display (3) on the face. The unit is connected to the mains supply and has a buffer battery. The case houses a clock, a memory, a microprocessor and a driver circuit.

The product is tagged with a written label or and **electronic label**. The **electronic label** can have the data loaded from the portable unit. The data is entered at the keypad and the driver circuit supplies an antenna (27) that transfers power to the **electronic label**. The data is transmitted and **read** by optical or sonic links. To check a date the label is **read electronically** or the identification numbers entered manually.

USE/ADVANTAGE - Checking of use-by dates of pharmaceutical products or of foodstuffs. Low cost, portable easily used unit, suitable for domestic use.

Dwg.1/3

Title Terms: PORTABLE; APPARATUS; CHECK; DATE; PRODUCT; LIMIT; SHELF; LIFE;

OPTICAL; SONIC; COMMUNICATE; **ELECTRONIC** ; LABEL; DISPLAY; DATE; DATA

Derwent Class: T01

International Patent Class (Main): **G06F-015/20** ; **G06F-015/24** ;
G06F-017/60

International Patent Class (Additional): G04G-015/00; **G06F-153/00** ;
G07C-001/00

File Segment: EPI

18/5/8 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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07353756 **Image available**

MANAGEMENT METHOD, AND MANAGEMENT SYSTEM FOR COMMODITY BY MANAGEMENT NUMBER
AND PROGRAM

PUB. NO.: 2002-222247 [JP 2002222247 A]

PUBLISHED: August 09, 2002 (20020809)

INVENTOR(s): URABE EITARO

APPLICANT(s): NEC SOFTWARE KYUSHU LTD

APPL. NO.: 2001-018929 [JP 200118929]

FILED: January 26, 2001 (20010126)

INTL CLASS: **G06F-017/60** ; G06K-017/00; G06K-019/06

ABSTRACT

PROBLEM TO BE SOLVED: To provide commodity management by sales units of a commodity in units of respective sales space such as management of a **freshness** date of fresh produce and to prevent erroneous reading of a **barcode** of a label adhered to a commodity at a central cash register where a customer settles the payment.

SOLUTION: A commodity management system includes a label issuing machine 10 having an issuance processing part 12 assigning a single article management numbers for commodity sales unit and sending commodity information such as a production date and a removal date, and an OCR printing part 14 printing the single article management number on a label seal by OCR specified characters, a single article management device 20 having a single article **database** 24 storing management information such as the commodity information and the single article management number, and an extracting part 26 extracting a single article management number within a removal date, and a handy terminal 30 having a collating part 33 collating whether a single article management number **read** from the label seal by an OCR **scanner** part 36 is the single article management number within the removal date.

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18/5/9 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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04296756 **Image available**

REFRIGERATOR WITH ARTICLE MANAGING FUNCTION

PUB. NO.: 05-288456 [JP 5288456 A]

PUBLISHED: November 02, 1993 (19931102)

INVENTOR(s): TANAKA YOSHISHIGE

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 04-085835 [JP 9285835]

FILED: April 08, 1992 (19920408)

INTL CLASS: [5] F25D-023/00; **G06F-015/21** ; G06K-007/10

JAPIO CLASS: 24.2 (CHEMICAL ENGINEERING -- Heating & Cooling); 45.3

(INFORMATION PROCESSING -- Input Output Units); 45.4

(INFORMATION PROCESSING -- Computer Applications)

JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge Transfer Elements, CCD & BBD); R107 (INFORMATION PROCESSING -- OCR & OMR Optical
Readers)

JOURNAL: Section: M, Section No. 1557, Vol. 18, No. 79, Pg. 48,
February 09, 1994 (19940209)

ABSTRACT

PURPOSE: To efficiently preserve and manage food by fetching information on a **bar code** attached to the food before the food is stored in a refrigerator or when it is removed from the refrigerator for use, managing together with present date information, and displaying it.

CONSTITUTION: When food 11 is stored in a refrigerator, the food 11 is moved to the front side of a laser **scanner** 15 to allow the **scanner** to **read** a **bar code** 12 attached to the food 11. If a quantity is corrected at this time, a quantity button of an input operation unit 16 is operated. A controller contained therein always compares present data of a clock function unit with **freshness** proving date information of the food to light a **freshness** alarm lamp 19 of a display unit. That is, when the present date is before the **freshness** date, a green lamp is lit, when the present date is the same as the **freshness** date, a yellow lamp is lit, and when it is elapsed from the **freshness** date, a red lamp is lit. When the food is removed from the refrigerator, it is processed by pressing a button output by the unit 16.

Set	Items	Description
S1	34202	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	7509	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	133351	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	458867	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	47713	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	18285	S5(S) (S3 OR S4)
S7	291	S6(S)S1
S8	14	S7(S)S2
S9	9	S8 AND IC=G06F?

File 348:EUROPEAN PATENTS 1978-2005/Oct W05
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103
(c) 2005 WIPO/Univentio

Considered @7 11/28/05

9/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01898247

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur Verwaltung von gesicherten Transaktionen und zum Schutz von elektronischen Rechten

Systemes et procedes pour gerer des transactions securisees et pour proteger des droits electroniques

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434320), 460 Oakmead Parkway, Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)

Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)

Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)

Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, California 94086, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1531379 A2 050518 (Basic)

APPLICATION (CC, No, Date): EP 2004078195 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: G06F-001/00 ; G06F-017/60

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200520	173
SPEC A	(English)	200520	167172
Total word count - document A			167345
Total word count - document B			0
Total word count - documents A + B			167345

INTERNATIONAL PATENT CLASS: G06F-001/00 ...

... G06F-017/60

...SPECIFICATION to systems and methods for protecting rights of various participants in electronic commerce and other **electronic** or electronically-facilitated transactions.

The invention also relates to secure chains of handling and control...

...used to protect the rights of parties who have:

(a) proprietary or confidentiality interests in **electronic** information. It can, for example, help ensure that information is used only in authorized ways...

...storage, communication, and/or use including electronic cash, banking, and purchasing.

Protecting the rights of **electronic** community members involves a broad range of technologies. VDE combines these technologies in a way...

...and information storage and communication.

The rights protection problems solved by the present invention are **electronic** versions of basic societal issues. These issues include protecting property rights, protecting privacy rights, properly...

...information in a manner consistent with their agreement;

(b) proprietary and/or confidentiality interests in **electronic** information (horizontal bar) the present invention can, for example, help ensure that data is used...and analysis activities employing content usage information.

VDE may be used to migrate most non- **electronic** , traditional information delivery models (including entertainment, reference materials, catalog shopping, etc.) into an adequately secure...a foundation for a general purpose, sufficiently secure distributed **electronic** commerce solution. VDE enables an **electronic** commerce marketplace that supports divergent, competitive business partnerships, agreements, and evolving overall business models. For...present invention, be able to efficiently move **electronic** information content (such as commercially published properties, **electronic** currency and credit, and content audit information), and associated content control information, around the world...

...many capabilities of the present invention can be presented as inherent capabilities of a given **electronic** appliance, operating system, or appliance application. For example, features of the present invention include: (a...who may have "broken" the security of a VDE installation and was illegally making certain **electronic** content available to others. Fingerprinting may provide additional, available information such as time and/or...

...and end-user. As another example, a distributor that failed to make payments and/or **report** usage information to a content provider might find that their budget for creating permissions records...

...credit for VDE transactions might require an audit method that records the time of an **electronic** purchase, and/or a user might require a method that summarizes usage information for reporting...**electronic** appliance;

FIGURE 8 is a more detailed block diagram of an example of the **electronic** appliance shown in FIGURE 7;

FIGURE 9 is a detailed view of an example of...

9/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01888484

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:

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INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
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 Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530,
 (US)

Van Wie, David M., 1780 East 25th Avenue, Eugene, OR 97403, (US)

LEGAL REPRESENTATIVE:

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 London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
 NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: **G06F-017/60 ; G06F-009/46**

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222
Total word count - document A			167577
Total word count - document B			0
Total word count - documents A + B			167577

INTERNATIONAL PATENT CLASS: **G06F-017/60 ...**

... G06F-009/46

...SPECIFICATION the preferred embodiment, in one or more permissions
 records) stipulating the "withdrawal" of credit or **electronic** currency
 (such as tokens) from an electronic account (for example, an account
 securely maintained by...

9/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01869029

**Systems and methods for secure transaction management and electronic rights
 protection**

**Systeme und Verfahren zur gesicherten Transaktionsverwaltung und
 elektronischem Rechtsschutz**

**Systemes et procedes de gestion de transactions securisees et de protection
 de droits electroniques**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1515216 A2 050316 (Basic)
EP 1515216 A3 050323

APPLICATION (CC, No, Date): EP 2004078194 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: G06F-001/00 ; G06F-017/60

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 75C

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	276
SPEC A	(English)	200511	167210
Total word count - document A			167486
Total word count - document B			0
Total word count - documents A + B			167486

INTERNATIONAL PATENT CLASS: G06F-001/00 ...

... G06F-017/60

...SPECIFICATION on electronic appliances. Millions of these electronic appliances have been electronically connected together. These interconnected **electronic** appliances comprise what is increasingly called the "information highway." Many businesses, academicians, and government leaders...

...used to protect the rights of parties who have:

(a) proprietary or confidentiality interests in **electronic** information. It can, for example, help ensure that information is used only in authorized ways...

...that content providers will be paid for use of distributed information; and

(c) interests in **electronic** credit and electronic currency storage, communication, and/or use including electronic cash, banking, and purchasing...

...who provide electronic products, such as publishers and distributors; the rights of parties who provide **electronic** credit and currency to pay for use of products, for example, credit clearinghouses and banks...

...electronic commerce, a rights application, under the preferred embodiment of the present invention, can provide **electronic** enforcement of the business agreements between all participants. Since different groups of components can be...

...first system that provides many of these capabilities and therefore solves fundamental problems related to **electronic** dissemination of information.

Electronic Content

VDE allows electronic arrangements to be created involving two or...are the most efficient, competitive and useful.

VDE provides capabilities that rationalize the support of **electronic** commerce and electronic transaction management. This rationalization stems from the reusability of control structures and...

...permissions records) stipulating the "withdrawal" of credit or electronic currency (such as tokens) from an **electronic** account (for example, an account securely maintained by a user's VDE installation secure subsystem...

9/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01421609

CARD PAYMENT METHOD AND CARD PAYMENT SYSTEM FOR DOOR-TO-DOOR DELIVERY
KARTENBEZAHLUNGSVERFAHREN UND KARTENBEZAHLUNGSSYSTEM FUR DIE
HAUS-ZU-HAUS-LIEFERUNG

PROCEDE ET SYSTEME DE PAIEMENT PAR CARTE POUR LIVRAISON A DOMICILE

PATENT ASSIGNEE:

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KURISU, Takahiko c/o JCB Co., Ltd., 6, Kanda Surugadai 1-chome,
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PATENT (CC, No, Kind, Date): EP 1327946 A1 030716 (Basic)

WO 2002017174 020228

APPLICATION (CC, No, Date): EP 2001958435 010823; WO 2001JP7224 010823

PRIORITY (CC, No, Date): JP 2000254155 000824

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60** ; B65G-061/00

ABSTRACT WORD COUNT: 124

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200329	1252
SPEC A	(English)	200329	8486
Total word count - document A			9738
Total word count - document B			0
Total word count - documents A + B			9738

INTERNATIONAL PATENT CLASS: **G06F-017/60** ...

...SPECIFICATION in the memory unit 53 in advance is read out. Then, the authentication number, the **expiration date**, the money amount for the merchandise, the merchandise identification number, the tracking number, and the...

...host computer through the communication processing unit 57, the printer

61 achieves the function of **printing a receipt** with the tracking number of the merchandise, the credit card company, the money amount for ...

9/3,K/5 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00762426 **Image available**

**A SECURE INTERNET VAULT FOR CONSUMER RECEIPTS, LEGAL DOCUMENTS AND COMMERCE
CHAMBRE FORTE PROTEGEE SUR INTERNET POUR RECUS, DOCUMENTS JURIDIQUES ET
COMMERCE DU CONSOMMATEUR**

Patent Applicant/Assignee:

RECEIPTCITY COM INC, 3051 N. 1st Street, San Jose, CA 95134, US, US
(Residence), US (Nationality)

Inventor(s):

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VALLIANI Aziz, 1111 Tewa Court, Fremont, CA 94539, US,
RAFII Abbas, 1546 Wisteria Court, Los Altos, CA 94024, US,
KAREEMI Nazim, 2145 Emerson Street, Palo Alto, CA 94301, US,

Legal Representative:

KAUFMAN Michael A (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200075835 A2-A3 20001214 (WO 0075835)
Application: WO 2000US15371 20000602 (PCT/WO US0015371)
Priority Application: US 99137575 19990604; US 99141380 19990628; US
2000480883 20000110

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 17914

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... of documents are herein termed "secure
internet-vault services."

- The Merchant Data Center

For the **electronic - receipts** service, the merchant data center
120 maintains a database 125 of product UPCs, SKUs or...

...twenty characters in length).

The merchant data center 120 also maintains a database of
30 **POS** platforms to which it responds. Thus, when the **POS** system 126
sends a
product code to the merchant data center 120, the center 120...

...processor (not shown). The

processor and the first communications port enable communications with
5 the **POS** system 126 over the communications link 128. The processor

and
second communications port enable communications...

...and the processor and third
communications port enable communications over the internet 180.
Where the **POS** platform is capable, some of this intelligence
I/O may reside in the platform.
PROTOCOLS...

...for the
secondary information processing to complete before the customer
completes his business at the **POS** site.
A real-time operating system in the TC 1261 facilitates this
primary-channel priority...

...priority data. Such a buffer 566 helps to realize the high bandwidth of
channel 561.

- **Electronic - Receipts (e- Receipts) Service**
The **electronic - receipts** service described herein is a web
server-based application that communicates with a client using...

...the receipt to the browser and a focus on the needs of the merchant.
The **electronic - receipts** service provides consumer-transaction
details from ...cyberspace transactions occurring at an
23
e-commerce website.

When fully deployed as envisioned, the **electronic - receipts**
service has many users, sites and transactions.

-- Roles

The electronics-receipt service establishes hierarchical roles...

...user from having to have access to
information for every table in its database, the **electronic - receipts**
service
uses the data-access roles of "system," "data" and "administration" to
facilitate a user...

...The system-data role gives access to the relational-database
management system (RDMS) engine to **read** and initialize the current
user's system. It also allows access to update the logs.

The data role has permission to **read** data tables (for example,
transaction, line-item and non-searchable tables).

The administration-data role has permission to **read** and
update information related to the administration of the **electronic -
receipts** service.

24

-- Guest Role

The guest role has basic access and viewing rights to the
electronic - receipts service. The guest role may be used, for example,
for short-term access for executives...

...of
maintaining sites and administrators and of handling exceptions. As to
the
last, if the **electronic - receipts** storage service has any exceptions,
the

1 5 administrator-manager handles the data corrections and provides the
corrected data to the **electronic - receipts** storage service.

Where the administrator manager does not create
administrators, the administrator manager takes on the responsibilities

of those absent administrators.

-- Service-Administrator Role

An- **electronic receipts** -service service administrator has the most control over the **electronic - receipts** service. A service administrator's responsibilities include maintaining all of the role data, the field...

...also the only role that removes sites.

25

-- Security

Security is a prime focus on **electronic - receipts** service. Most security relating to the transmitted data relies on the Secure Socket Layers

5...

...York, NY) and well known in the art. To protect consumer information, for example, the **electronic - receipts** service may mask a portion(s) of a credit-card number or apply a grid...

...and receipt.

Figures 8 and 9 each show a tree of web pages for the **electronic - receipts** service according to one embodiment, particularly for the administration of the service. Figure 8 shows the site map to the **electronic - receipt** service. Users typically start at the Home Page and

select pages as desired. Figure 9 shows the site map for the administrator's

26

access to the **electronic - receipts** administrative functions, allowing such administrators to look up, add and delete users.

The Appendix attached...

...as well

as Figures WPI - WP30. Figures WPI - WP30 are example web pages for the **electronic - receipts** service, particularly from the viewpoint of a user of the service. Figures A1 - A3 show...administrator manager takes on the role of such an administrator.)

27

-- Configuring a Site

The **electronic - receipts** service provides a new site with its site identification ("site ID"). The new site stores its site ID into a location that the machine may use when talking to the **electronic - receipts** service. The site may get the site ID manually (that is to say that the administrator himself seeks the site ID from the **electronic - receipts** service), or the site may get the site ID automatically. In the latter case, the...

...a site ID. (The machine may encrypt the site ID before storing the same.)

-- The **Electronic - Receipts** Storage Service

The **electronic - receipt** storage service receives transaction information from a **POS** platform or bulk data transfer (i.e., batch) from a

merchant and stores the information in the data farm, typically in a relational-database management system (RDBMS).

The **electronic - receipts** service may indirectly store the information. An **electronic - receipts** transaction service **listens** for transaction messages. The transaction service disassembles the message and stores the data into a...

...tells the temporary-database service which then stores the data into a temporary database. The **electronic - receipts** service periodically merges the temporary-database data with the real **electronic - receipts** -service
28 database. This merge happens since batch processing also feeds data into the temporary...

...merge and store is the function of the permanent-database service. A site and the **electronic - receipts** service may communicate 5 using messages that are name-value pairs. The following is an...

...department where the transaction occurred), AcctType (the account type), AcctNum (the account number), ExprDate (the **expiration date** of the card), AuthCode (the authorization code), AuthSrc (the ID of the authorizer), MerchID (the...

...of names also includes site-defined names mapped to generic fields. Of the foregoing, the **electronic - receipts** service requires a site to provide the SiteID, TUID1, TUID2, TranType and AcctType pairs. The...

...the line number for each item in a transaction), Descr (the description of the item), **SKU (stock keeping unit)**, **UPC (the Universal Product Code** for the item) and DeptID. Of the foregoing, the **electronic - receipts** service requires a site to provide the TUID1, TUID2 and Descr pairs. The service itself...

...periodically looks at the 10 temporary-database data and merges the information into the **electronic receipts** service permanent database. It may add to the data (for example, SiteGpID) and split the...temporary table is then cleared. This
30 alternative embodiment has the advantage of speed.
-- The **Electronic - Receipts** Search Service
The search service allows an **electronic - receipts** -service user to search the **electronic receipts** data base. The search service handles presentations to the user. Broadly speaking, the search service...

...consumer-ignorant methods, including random selection. Merchants and advertisers may subsidize the cost of the **electronic - receipts** and secure internet-vault services, although a service
31 may assess a consumer a...

...maintains his automobile insurance policy in the secure internet vault, the service may note its **expiration date**, type of vehicle, address, age of driver(s) and other profile information. With the consumer...

...walk-through follows: A 5 customer of a merchant 120 enters the merchant 120's **POS** location or web site having the **POS** system 126. The customer wishes to purchase a selection of the merchant 120's goods...

...sales agent identifies each of the selected items, by I O scanning each past the **bar - code scanner** (not shown) in the **POS** system 126, for example. The "cash-register" portion 1262 enters the **UPC** information of the item into its RAM. As before, the customer is buying a personal portable Walkman (tm)-type stereo. With each item identified, the **POS** system 126 and the 5 merchant data center 127 communicate over the link 128. The "cashregister" portion 1262 presents the item's **UPC** information to the merchant data center 127. The merchant data center 127 responds with the item's description and price. The **POS** system 126 shows the item description and price to the customer, possibly along with a...

...data farm 140 communicate as the items are identified. The data center 127 forwards the **UPC** product information over the internet 180 (or other communications link) to the data farm 140...

...140 determines what content graphics to show the customer buying the item with the received **UPC** product information (and buying any other items associated with this transaction). The data farm 140...

...it determined to show the
33 customer.

With the customer expected to be at the **POS** system 126 for 90 seconds, the data center 140 forwards to the TC 1261 a...may present content that the non1 5 web-enabled "cash-register" portion 1262 of the **POS** system 126 forwards while another frame may present content that the web-enabled TC 1261...

...customer. In another embodiment, subsets of the multiple content graphics are presented over time. (The **POS** system shows each subset for a predetermined period of time.) In the degenerate case, the...

...other hand, the customer may spend longer than the
34

expected 90 seconds at the **POS** system 126. In this situation, the TC 1261 may have more time than necessary to...

...that the transaction is continuing (that is to say, the user is still at the **POS** system 126). The data farm 140 then determines that the next content to forward to...

...the sales agent has identified all of the items that the customer selected and the **POS** system 126 has displayed the transaction summary, including a total, the customer presents a form...

...through the transaction computer and signs electronically, allowing the TC to capture his signature. The **POS** system 126 forwards the captured electronic signature to any of the merchan

t data center...

9/3,K/6 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00762425 **Image available**

AN ELECTRONIC-RECEIPTS SERVICE
SERVICE ELECTRONIQUE DE RECUS

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

ALLAN Scott T, 2924 Hillside Drive, Burlingame, CA 94010, US,
MILES Jeffery, 6196 Gilder Drive, San Jose, CA 95123, US,
STOUT J Greg, 642 Caliente, #23, Sunnyvale, CA 94086, US,
VALLIANI Aziz, 1111 Tewa Court, Fremont, CA 94539, US,
RAFII Abbas, 1546 Wisteria Court, Los Altos, CA 94024, US,
KAREEMI Nazim, 2145 Emerson Street, Palo Alto, CA, US,

Legal Representative:

KAUFMAN Michael A (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200075834 A2-A3 20001214 (WO 0075834)
Application: WO 2000US15368 20000602 (PCT/WO US0015368)
Priority Application: US 99137575 19990604; US 99141380 19990628; US
2000480883 20000110

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 18738

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... of documents are herein termed "secure
internet-vault services."

- The Merchant Data Center

For the **electronic - receipts** service, the merchant data center
120 maintains a database 125 of product UPCs, SKUs or...

...description and a product price.

The merchant data center 120 also maintains a database of
POS platforms to which it responds. Thus, when the **POS** system 126
sends a

product code to the merchant data center 120, the center 120...a
processor (not shown). The
processor and the first communications port enable communications with
the **POS** system 126 over the communications link 128. The processor and
second communications port enable communications...

...and the processor and third

communications port enable communications over the internet 180.

Where the **POS** platform is capable, some of this intelligence may reside in the platform.

PROTOCOLS

The protocols...

- ...for the secondary information processing to complete before the customer completes his business at the **POS** site.
A real-time operating system in the TC 1261 facilitates this primary-channel priority...
- ...priority data. Such a buffer 566 helps to realize the high bandwidth of channel 561.
 - **Electronic - Receipts (e- Receipts) Service**
The **electronic - receipts** service described herein is a web server-based application that communicates with a client using...
- ...the receipt to the browser and a focus on the needs of the merchant.
The **electronic - receipts** service provides consumer-transaction details from a central database and presents this transaction information to...
- ...to cyberspace transactions occurring at an e-commerce website.
When fully deployed as envisioned, the **electronic - receipts**
22
service has many users, sites and transactions.
 - Roles
The electronics-receipt service establishes hierarchical...
- ...user from having to have access to information for every table in its database, the **electronic - receipts** service
uses the data-access roles of "system," "data" and "administration" ...
The system-data role gives access to the relational-database management system (RDMS) engine to **read** and initialize the current user's system. It also allows access to update the logs.
The data role has permission to **read** data tables (for example, transaction, line-item and non-searchable tables).
The administration-data role has permission to **read** and update information related to the administration of the **electronic - receipts** service.
23
 - Guest Role
The guest role has basic access and viewing rights to the **electronic - receipts** service. The guest role may be used, for example, for short-term access for executives...
- ...of maintaining sites and administrators and of handling exceptions. As to the last, if the **electronic - receipts** storage service has any exceptions, the administrator-manager handles the data corrections and provides the corrected data to the **electronic - receipts** storage service.
Where the administrator manager does not create administrators, the administrator manager takes on the responsibilities of those absent administrators.
 - Service-Administrator Role
An- **electronic receipts** -service service administrator has the most control over the **electronic - receipts** service. A service

administrator's responsibilities include maintaining all of the role data, the field...

...York, NY) and well known in the art. To protect consumer information, for example, the **electronic - receipts** service may mask a portion(s) of a credit-card number or apply a grid...

...and receipt.

Figures 8 and 9 each show a tree of web pages for the **electronic - receipts** service according to one embodiment, particularly for the administration of the service. Figure 8 shows the site map to the **electronic - receipt** service. Users typically start at the Home Page and select pages as desired. Figure 9 shows the site map for the administrator's

25

access to the **electronic - receipts** administrative functions, allowing such administrators to look up, add and delete users. The Appendix attached...

...as well

as Figures WPI - WP30. Figures WP1 - WP30 are example web pages for the **electronic - receipts** service, particularly from the viewpoint of a user of the service. Figures A1 - A3 show...

...administrator

manager takes on the role of such an administrator.)

26

-- Configuring a Site

The **electronic - receipts** service provides a new site with its site identification ("site ID"). The new site stores its site ID into a location that the machine may use when talking to the **electronic - receipts** service. The site may get the site ID manually (that is to say that the administrator himself seeks the site ID from the **electronic - receipts** service), or the site may get the site ID automatically. In the latter case, the ...a site ID. (The machine may encrypt the site ID before storing the some.)

-- The **Electronic - Receipts** Storage Service

The **electronic - receipt** storage service receives transaction information from a **POS** platform or bulk data transfer (i.e., batch) from a

merchant and stores the information in the data farm, typically in a relational-database management system (RDBMS).

The **electronic - receipts** service may indirectly store the information. An **electronic - receipts** transaction service **listens** for transaction messages. The transaction service disassembles the message and stores the data into a...

...tells the temporary-database

service which then stores the data into a temporary database.

The **electronic - receipts** service periodically merges the temporary-database data with the real **electronic - receipts** -service

27

database. This merge happens since batch processing also feeds data into the temporary...

...merge and store is the

function of the permanent-database service.

A site and the **electronic - receipts** service may communicate using messages that are name-value pairs or markup-language entities. The...

...department where the transaction occurred), AcctType (the account type), AcctNum (the account number), ExprDate (the **expiration date** of the card), AuthCode (the authorization code), AuthSrc (the ID of the authorizer), MerchID (the...

...of names also includes site-defined names mapped to generic fields. Of the foregoing, the **electronic - receipts** service requires a site to provide the SiteID, TUID1, TUID2, TranType and AcctType pairs. The...

...the line number for each item in a transaction), Descr (the description of the item), **SKU (stock keeping unit)**, **UPC (the Universal Product Code** for the item) and DeptID. Of the foregoing, the **electronic - receipts** service requires a site to provide the TUID1, TUID2 and Descr pairs. The service itself...

...database service periodically looks at the temporary-database data and merges the information into the **electronic receipts** service permanent database. It may add to the data (for example, SiteGpID) and split the...

...The temporary table is then cleared. This alternative embodiment has the advantage of speed.
-- The **Electronic - Receipts** Search Service
The search service allows an **electronic - receipts** -service user to search the **electronic receipts** data base. The search service handles presentations to the user. Broadly speaking, the search service... ignorant methods, including random selection.

Merchants and advertisers may subsidize the cost of the
30

electronic - receipts and secure internet-vault services, although a service may assess a consumer a fee for...

...maintains his automobile insurance policy in the secure internet vault, the service may note its **expiration date**, type of vehicle, address, age of driver(s) and other profile information. With the consumer...

...overview walk-through follows: A customer of a merchant 120 enters the merchant 120's **POS** location or web site having the **POS** system 126. The customer wishes to purchase a selection of the merchant 120's goods...

...The sales agent identifies each of the selected items, by scanning each past the **bar - code scanner** (not shown) in the **POS** system 126, for example. The "cash-regisfer" portion 1262 enters the **UPC** information of the item into its RAM. As before, the customer is buying a personal portable Walkman (trn)-type stereo. With each item identified, the **POS** system 126 and the merchant data center 127 communicate over the link 128. The "cashregister" portion 1262 presents the item's **UPC** information to the

merchant data center 127.
The merchant data center 127 responds with the item's description and price. The **POS** system 126 shows the item description and price to the customer, possibly along with a...
...data farm 140 communicate as the items are identified. The data center 127 forwards the **UPC** product information over the internet 180 (or other communications link) to the data farm 140...
...140 determines what content graphics to show the customer buying the item with the received **UPC** product information (and buying any other items associated with this transaction).
The data farm 140...
...it determined to show the
32 customer.
With the customer expected to be at the **POS** system 126 for 90 seconds, the data center 140 forwards to the TC 1261 a...
...frame may present content that the non web-enabled "cash-register" portion 1262 of the **POS** system 126 forwards while another frame may present content that the web-enabled TC 1261...
...customer. In another embodiment, subsets of the multiple content graphics are presented over time. (The **POS** system shows each subset for a predetermined period of time.) In the degenerate case, the...
...may form an expectation for the amount of time the customer will spend at the **POS** platform and develop a multiplicity of content graphics accordingly. However, the data farm 140 typically...other hand, the customer may spend longer than the
33 expected 90 seconds at the **POS** system 126. In this situation, the TC 1261 may have more time than necessary to...
...that the transaction is continuing (that is to say, the user is still at the **POS** system 126). The data farm 140 then determines that the next content to forward to....
...the sales agent has identified all of the items that the customer selected and the **POS** system 126 has displayed the transaction summary, including a total, the customer presents a form...
...through the transaction computer and signs electronically, allowing the TC to capture his signature. The **POS** system 126 forwards the captured electronic signature to any of the merchant data center 120...
...funds-transfer card
30 for payment, he swipes the card through the TC of the **POS** system 126 and enter
s his validating PIN number.

35

After the form of payment...store cash-register identification,
 merchant's cashier identification,
 payment type, payment card number. payment-card **expiration**
date , line items, line-item prices, transaction total, transaction
 keys,
 transaction type and electronic signature to...

...receiptcity.com Page I of I

Welcome to receiptCity, the web's leading site for **electronic**
receipts

Home! (e- **receipts**) and your personal e-receipts vault. At this site
 you can,
 login,

login...will be prompted for this identifier at the point of sale if you
 want an **electronic receipt** for specific Cash transaction. 'Copyright
 (© 1999, Q00S.COM Inc. All rights reserved. Please contact...Your
 Choices" below).

How the Site Works

At your request, participating merchants send your **electronic receipts**
 to the ReceiptCity website where they are stored with any personal data
 that you have...

...no responsibility for the privacy practices or content of other
 websites. We recommend that you **read** the privacy statements posted
 on these sites.

Advertising

We use an outside ad serving company...make visit login)-in login enter your
 password. Then,

the changes you see; it. login " Upc ye

see: login "Profile. After making login late Info." To change
 the list of...

...All rights reserved. login2se loginlacl, out loginm@,ic with loginestiollat
 or comments.

3 -W

7

@ pos .com Page 1 of 2

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...I About Privacy Keyword

About Security

About @POSI

[Contact Us] cm

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 Base] Please contact our Webmaster with questions or comments...

9/3,K/7 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00418748 **Image available**

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
 PROTECTION**

**SYSTEMES ET PROCÉDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION
 DE DROITS ELECTRONIQUES**

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,

Inventor(s):

GINTER Karl L,

SHEAR Victor H,
SIBERT W Olin,
SPAHN Francis J,
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305
Application: WO 97US15243 19970829 (PCT/WO US9715243)
Priority Application: US 96706206 19960830

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 195626

Main International Patent Class: G06F-001/00

Fulltext Availability:

Detailed Description

Detailed Description

... may cause a
content provider to choose costly distribution channels that
increase a product's **price**. In general these mechanisms restrict
product pricing, configuration, and marketing flexibility. These
compromises are the...content models, content control models, and
content usage information pathways,
(2) a complete range of **electronic** media and
distribution means,
- 28
(3) a broad range of pricing, payment, and auditing
strategies...include their own
operating system kernel 688 including code and data processing
resources. A given **electronic** appliance 600 may include any
number of SPE(s) 503 and/or any number of...

9/3,K/8 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00380457. **Image available**

HIDDEN DATA TRANSPORT ELECTRONIC COUPON SYSTEM

SYSTEME DE BONS ELECTRONIQUE AVEC TRANSPORT DE DONNEES CACHEES

Patent Applicant/Assignee:

SOLONA TECHNOLOGY DEVELOPMENT CORPORATION,
LEE Chong U,
MOALLEMI Kamran,
WARREN Robert L,

Inventor(s):

LEE Chong U,
MOALLEMI Kamran,
WARREN Robert L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9721200 A2 19970612
Application: WO 96US19370 19961206 (PCT/WO US9619370)
Priority Application: US 958369 19951208

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP
KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8010

International Patent Class: **G06F-17:60**

Fulltext Availability:

Detailed Description

Detailed Description

... to sort and display the
EC information according to, for instance, product
or service type, **expiration date**, manufacturer,
geographic location, and so forth. The power supply
430 may be a battery. The...

...the configuration shown to allow
printing of paper coupons using the EC information,
or to **print** a summary **list** of the ECs. With the
printed coupon, the **UPC bar code** can optionally be
printed, along with information such as the product
name and logo or other design, product description,
and the discount or promotional offer. A printed
coupon with a **bar code** may be scanned into a **POS**
system at a retail store.

The invention includes a number of decoder
options. The decoder...

9/3,K/9 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00348338

DISCOUNT OFFER REDEMPTION SYSTEM AND METHOD

**PROCEDE ET DISPOSITIF DE REMBOURSEMENT DES OFFRES DE REMISES
PROMOTIONNELLES**

Patent Applicant/Assignee:

OVADIA Victor A,

Inventor(s):

OVADIA Victor A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9630851 A1 19961003

Application: WO 96US3796 19960320 (PCT/WO US9603796)

Priority Application: US 95414281 19950331

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 6104

Main International Patent Class: **G06F-019/00**

Fulltext Availability:

Detailed Description

Detailed Description

... a new code to be downloaded into the POS machine.

The code represented by the **indicia** 42 when **read** by the system through one of the **scanners** 6 identifies an address in the memory means 14 which corresponds to a current discount...

...items identified by inventory number to which a discount offer has been made; (b) the **expiration date** of the offer for each of the items that are listed. It is a feature...

...invention provides for multiple identification and processing of various published brochures effected by scanning the **indicia** 42 of the flyer. The brochure/flyer is uniquely constructed such that the area on which the **indicia** 42 is printed is perforated along lines 39,39 so as to define a detachable...

...the remaining offer sheet and/or brochure and be carried by the holder to the **point of sale** machine where it may be produced by the holder and subsequently scanned without need of in alphanumeric on the card portion 37 along with the corresponding identification **indicia** 42 which is the numeric machine readable code needed for the computer to identify and...

...flyer 30 is mailed or delivered to the recipient using the printed address identification **indicia** disposed on the card portion 37, (Step 52) Once the flyer 30 is received by...

...holder to identify what purchases the computer will be recognizing as discounts once the identifying **indicia** 42 is scanned. As such, once the holder gathers the items purchased, he or she...

...card in the case where the holder does not find it necessary to have a **printed listing** of the specific items offered in the given brochure in front of him or her...

...6 of each of the point of sales machines, the operator scans the brochure title **indicia** 42 and the user identification **indicia** 41 so as to identify which if any memory address location, e.g. 14(a...

...c) 14(n), the involved brochure is represented by. (Step 56) With the identification code **read**, a check is conducted to ensure that the brochure scanned is one which is located...

...if the identification code is accepted as valid, then the information contained in the identification **indicia** 41 is released from a buffer and downloaded to the customer reference memory 15 (Step...

...on

the type of offers which are being made, the identification code will bear an **expiration date** for all the items listed on the flyer, or each discount offer will bear a separate **expiration date**, (Step 62) Notwithstanding, in either case, the internal clocking system of the controller 10 checks...can be redeemed, Various means can be utilized to accomplish this. The cashier at the **POS** terminal can mark,, tear or otherwise destroy the redemption identification **indicia** section of the circular, Likewise, the **POS** terminal can be programmed to electronically void the of f e r (s) af t e r crediting...

...possible to incorporate a magnetic stripe or similar recording device into the redemption identification **indicia** and program the **POS** terminal to record appropriate data onto the stripe that will limit or invalidate future discounts...

...discounts are held in temporary memory such that the purchased items when checked at the **point of sale** terminal for quantity, size and amount can be automatically awarded a discount if appropriate. A...

...subsequent accessing,

Thus, it should be understood that the process of scanning a redemption identification **indicia**, such as **indicia 42**, and thereafter calling up the associated products and discounts is repeatable for each different...

...68) The items to be purchased are then processed by the cashier, (Step 70) The **POS** system which can be used for this purpose can either be a standard **point of sale** machine wherein items are entered using one of the system **scanners 4,4**, or by using a keypad entry system into which inputted data is translated...schematic of Figure 4,, it should be understood that by using either the scanned POSTNET **indicia 44** or the **barcode** identifying **indicia 41**, a file name 88 is created using the information of that **indicia**, and this file receives information relating to the items purchased under the identity of the identifying **indicia 41**, thereafter entered into each file as data 90, These data files are stored at...

...purchasing

patterns which may be sold to various marketing establishments. For this purpose the identification **indicia 42** may have an identification suffix appended to it which gives minimally the address of the addressee shown at the **indicia 40**. It is likewise possible to use the U.S.

Postal service mailing code 44...

Set	Items	Description
S1	34202	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	7509	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	133351	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	458867	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	47713	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	18285	S5(S) (S3 OR S4)
S7	291	S6(S)S1
S8	14	S7(S)S2
S9	9	S8 AND IC=G06F?
S10	2624	INVENTORY(1N)CONTROL
S11	43	S10(S)S1
S12	8	S11(S)S5
S13	2	S12 AND IC=G06F?

File 348:EUROPEAN PATENTS 1978-2005/Oct W05

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File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103

(c) 2005 WIPO/Univentio

Considered 11/28/05 QJ

13/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01520420

Administration process and system for manufacturing and selling products
Verwaltungsverfahren und -system zum Herstellen und Verkaufen von Produkten
Procede et systeme d'administration pour la fabrication et la vente de
produits

PATENT ASSIGNEE:

TERAOKA SEIKO CO., LTD., (667512), 13-12, Kugahara 4-chome, Ohta-ku Tokyo
, (JP), (Applicant designated States: all)

INVENTOR:

Teraoka, Kazuharu, Teraoka Seiko Co. Ltd., 13-12, Kugahara 5-chome,
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Oono, Tetsuo, Teraoka Seiko Co. Ltd., 13-12, Kugahara 5-chome, Ohta-ku,
Tokyo, (JP)
Kanno, Tatsuya, Teraoka Seiko Co. Ltd., 13-12, Kugahara 5-chome, Ohta-ku,
Tokyo, (JP)

LEGAL REPRESENTATIVE:

DIEHL GLAESER HILTL & PARTNER (100237), Patentanwalte Augustenstrasse
46, 80333 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1271378 A2 030102 (Basic)
EP 1271378 A3 040414

APPLICATION (CC, No, Date): EP 2002014034 020627;

PRIORITY (CC, No, Date): JP 2001199911 010629; JP 2001363366 011128; JP
2001391897 011225; JP 200240602 020218

DESIGNATED STATES: DE; FR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60 ; G07G-001/00

ABSTRACT WORD COUNT: 176

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

INTERNATIONAL PATENT CLASS: G06F-017/60 ...

...ABSTRACT can individually identify each product is printed as a machine
readable code such as a **barcode** on the price label of a **perishable**
food product, and a block ID number linked with the pack ID number for
identifying...

...of the product are stored. Consequently, it is possible to total
manufacturing data for each **perishable** food raw material block. A
processing method and device is also provided for product manufacturing
data and product sales data, which can perform accurate **inventory**
control and gross margin administration for each purchased **perishable**
food block, and can automatically determine whether or not a product has
expired. Furthermore, the...

13/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00895533 **Image available**

SALE METHOD AND SYSTEM EMPLOYING PRODUCT PRICE VARYING DEPENDENT UPON VALID
DATE OF PRODUCT

METHODE ET SYSTEME DE VENTE UTILISANT DES PRIX DE PRODUITS VARIANT EN

FONCTION DE LA DATE D'EXPIRATION DES PRODUITS

Patent Applicant/Assignee:

SHT CO LTD, 138-112 Seoul National University, San 56-1, Shinlim-dong,
Kwanak-gu, Seoul 151-742, KR, KR (Residence), KR (Nationality), (For
all designated states except: US)

Patent Applicant/Inventor:

TAK Seung-Ho, 4-105 Plaza Apt., 223, Kil-dong, Kangdong-gu, Seoul 134-768
, KR, KR (Residence), KR (Nationality), (Designated only for: US)

Legal Representative:

LEE Young-Pil (agent), The Cheonghwa Building, 1571-18 Seocho-dong,
Seocho-gu, Seoul 137-874, KR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200229661 A1 20020411 (WO 0229661)

Application: WO 2001KR1628 20010927 (PCT/WO KR0101628)

Priority Application: KR 200057864 20001002

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: Korean

Fulltext Word Count: 14117

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... FIG. 1 illustrates an example of a conventional distribution path of
a product having an **expiration date** ;
FIG. 2 illustrates an example of a sales method for varying a
product's price according to the **expiration date** of the product,
according
to a first preferred embodiment of the ...the sales method of
FIG. 2 for varying a product's price according to the **expiration date**
of
the product;
FIG. 4 illustrates an example of a **bar code** according to the
present invention;
FIG. 5 illustrates a dynamic price sales system according to...
...embodiment of the present invention;
FIG. 6 illustrates a display unit of a time stamp **bar code** adaptor.
(TSBA);
FIG. 7 illustrates an example of a time stamp **bar code** (TSB)
being generated, attached, and printed-;
FIG. 8 illustrates an example in which the TSBA of FIG. 6 is
applied between a conventional **bar code** scanner and a POS terminal;
FIG. 9 illustrates an example of a TSB algorithm implemented...
...a database;
FIG. 10 illustrates an example of a TSB function being applied to
a **bar code** scanner having a real time clock (RTC);

FIG. 1 1 illustrates an example of a...
...optimization enhanced structure;

13

FIG. 15 a method for reducing a manufacturing cost resulting from
inventory control according to time elapsed for each item and
calculation

of reasonable production according to time;

FIG. 16 illustrates a method for calculating a dynamic price of an
item, which is **perishable**, according to the time elapsed from
distribution;

FIG. 17 illustrates a method for indicating a...

Set	Items	Description
S1	34202	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	7509	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	133351	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	458867	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	47713	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	18285	S5(S) (S3 OR S4)
S7	291	S6(S)S1
S8	14	S7(S)S2
S9	9	S8 AND IC=G06F?
S10	2624	INVENTORY(1N)CONTROL
S11	43	S10(S)S1
S12	8	S11(S)S5
S13	2	S12 AND IC=G06F?
S14	538228	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S15	1901	S1(S)S14
S16	949766	GOOD? ? OR PRODUCT? ? OR MERCHANDI? OR ITEM? ? OR FOOD()ST- UFF? OR FOODSTUFF?
S17	701	S15(S)S16
S18	92	S17(S)S5
S19	38	S18 AND IC=G06F-017/60
S20	8879	S16(7N)S1
S21	290	S20(S)S14
S22	51	S21(S)S5
S23	19	S22 AND IC=G06F-017/60

File 348:EUROPEAN PATENTS 1978-2005/Oct W05
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File 349:PCT FULLTEXT 1979-2005/UB=20051110,UT=20051103
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Considered 11/24/05 GJ

23/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01939566

A system and method for the validation of electronic vouchers
Vorrichtung und Verfahren zur Validierung von elektronischen Gutscheinen
Systeme et procede de validation de bons electroniques

PATENT ASSIGNEE:

Idiom Holdings Limited, (4819470), 15D Gilford Road, Sandymount, Dublin 4
, (IE), (Applicant designated States: all)

INVENTOR:

Hession, Eamon, 58 Palmerstown Gardens, Rathmines Dublin 6, (IE)

LEGAL REPRESENTATIVE:

Moore, Barry et al (126142), Hanna, Moore & Curley, 11 Mespil Road,
Dublin 4, (IE)

PATENT (CC, No, Kind, Date): EP 1564667 A1 050817 (Basic)

APPLICATION (CC, No, Date): EP 2004394007 040213;

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 158

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200533	636
SPEC A	(English)	200533	5223
Total word count - document A			5859
Total word count - document B			0
Total word count - documents A + B			5859

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION coupons. Traditionally, these vouchers have been paper-based, with special features such as serial numbers, **bar - codes**, magnetic stripes and holograms which are used to limit risk of fraudulent activities such as...

...counterfeiting. Such features, however, cannot be easily replicated through mCommerce and eCommerce channels. Many current **electronic** vouchers have been limited to simple text. MCommerce and eCommerce retailers have struggled to create a process where vouchers can be issued **electronically** to their channel customers and later exchanged for a commodity at a traditional retail store...

...issuer; however, the core requirements of a voucher validation process, be it paper-based or **electronic**, can be summarized to be The Voucher is used in the manner intended by the issuer; i.e., in a specified retail outlet(s), in exchange for a specified **product** (s), prior to a specified **expiration date**, valid for a limited number of transactions, typically once-only. The voucher can also be...

23/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01888484

Systems and methods for secure transaction management and electronic rights protection**Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz****Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques**

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
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INVENTOR:

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Van Wie, David M., 1780 East 25th Avenue, Eugene, OR 97403, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
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PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: **G06F-017/60** ; G06F-009/46

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222
Total word count - document A			167577
Total word count - document B			0
Total word count - documents A + B			167577

INTERNATIONAL PATENT CLASS: **G06F-017/60** ...

...SPECIFICATION to reflect their priorities and requirements through a process of iteratively shaping an evolving extended **electronic** agreement (electronic control model). This shaping can occur as content control information passes from one...objects and users provides a high degree of flexibility, and facilitates or enables a distributed **database**, processing, and execution environment.

One aspect of an advantage of the component-based architecture provided ...

...in Figure 10. ROS 602 may include a file system 687 that includes a commercial **database** manager 730 and external object repositories 728. Commercial **database** manager 730 may maintain secure **database** 610. Object repository 728 may store, provide access to, and/or maintain VDE objects 300...

...within a physical SPU 500 rather than a HPE 655 using software operating elsewhere in **electronic** appliance 600.

Each of the major functional blocks of PPE 650 is...

...capabilities. For example, a type of "two-phase commit" processing of the type used by **database** vendors may be used to allow data structure sharing between processes. To implement this "two...

...storage 562. This request may be in the form of an RPC call to secure **database** manager 566 to retrieve the load module and associated data structures, and a call to...

...the desired load module 1100 in the list, it requests a copy from the secure **database** 610 by issuing an RPC request that may be handled by ROS secure **database** manager 744 shown in Figure 12. Load module execution manager 568 may then request memory...This "channel 0" "open channel" task may then issue a series of requests to secure **database** manager 566 to obtain the "blueprint" for constructing one or more component assemblies 690 to...

...The preferred embodiment process may next use the "blueprint" to access (e.g, the secure **database** manager 566 and/or from load module execution manager library(ies) 568) the appropriate "control...

...memory allocations from kernel 562. The control method will, as necessary, issue calls to secure **database** manager 566 to retrieve necessary components from secure **database** 610, issue calls to encrypt/decrypt manager 556 to decrypt retrieved encrypted information, and issue...

...by the type of event. Channel manager 562 then issues calls (e.g., to secure **database** manager 566) to obtain the methods and data structure(s) needed to build the component...

23/3,K/3 (Item 3 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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01798893

Pharmaceutical tracking system
Pharmazeutisches Lokalisierungssystem
Systeme de suivi pharmaceutique
 PATENT ASSIGNEE:

IntelliDOT Corporation, (3997322), 100 East San Marcos Boulevard, Suite 400, San Marcos, CA 92069, (US), (Applicant designated States: all)

INVENTOR:

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 SWENSON, David D., 1763 Orange Blossom Way, Encinitas, CA 92024, (US)
 STEUSLOFF, Patrick M., 13014 Olmeda Court, San Diego, CA 92128, (US)

LEGAL REPRESENTATIVE:

Fiener, Josef (70565), Patentanw. J. Fiener et col. Postfach 12 49, 87712 Mindelheim, (DE)

PATENT (CC, No, Kind, Date): EP 1469408 A1 041020 (Basic)

APPLICATION (CC, No, Date): EP 2004008743 040413;

PRIORITY (CC, No, Date): US 463141 P 030414

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 153

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200443	1708
SPEC A	(English)	200443	7233
Total word count - document A			8941
Total word count - document B			0
Total word count - documents A + B			8941

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION pharmacy, or nursing home. The system employs authentication codes, such as machine readable codes including **bar codes**, or radio frequency (RF) tags, which can be applied to any level of packaging of the products to be transported from the manufacturer, including single dosage packages. A system server/ **database** issues a number of authentication codes to a manufacturer, and the manufacturer applies the codes...

...code with a code reader, and transmitting the code along with additional information about the **product** such as **expiration date**, type of **product** or medication, and shipment information such as destination and time for shipment, for example, to the system server/ **database**. Communication with the system server/ **database** can take place over a secure web link, for example, to ensure the security of...

23/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01660125

Lean inventory management

Schlanke Inventarverwaltung

Gestion d'inventaire souple

PATENT ASSIGNEE:

SAP AG, (4281230), Neurottstrasse 16, 69190 Walldorf, (DE), (Applicant designated States: all)

INVENTOR:

Heinreichs, Matthias, Winternheimerstrasse 22, 67346 Speyer, (DE)

Seng, Markus, Cantianstr.17, 10437 Berlin, (DE)

Van Laethem, Pascale, Enderlestrasse 4, 68775 Ketsch, (DE)

Heger, Achim, Bochumerstrasse 25, 10555 Berlin, (DE)

LEGAL REPRESENTATIVE:

Muller-Bore & Partner Patentanwalte (100651), Grafinger Strasse 2, 81671 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1365337 A2 031126 (Basic)
EP 1365337 A3 040707

APPLICATION (CC, No, Date): EP 2003009625 030429;

PRIORITY (CC, No, Date): US 136847 020430; US 159798 020531; US 158179
020531; US 159599 020531

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 153

NOTE:

Figure number on first page: 1C

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200348	1600
SPEC A	(English)	200348	10133
Total word count - document A			11733
Total word count - document B			0
Total word count - documents A + B			11733

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION now be described by way of example.

As can be seen in FIG. 2, the **database** model of LIME includes a hierarchical tree (200) that contains a set of guids (Global...
...quantity. Examples of stock units include one or more of the following:
material, trade item, **SKU** (T-shirt size L, style country, color green),
batch (different production lots for paints, dyes, wallpapers,
pharmaceutical **products**), quantity with a certain **shelf - life**
expiration, serial number, split valuation new/used, manufacturer part
number (separate stock units for different...

23/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

01389266

Electronic coupon system

Elektronisches Coupon-System

Systeme de coupons electroniques

PATENT ASSIGNEE:

Hitachi Maxell Ltd., (227755), No 1-1-88, Ushitora Ibaraki-shi, Osaka,
567, (JP), (Applicant designated States: all)

INVENTOR:

Kitaura, Keiko, 7-2-504, Higashiyukigaya 2-chome, Ota-ku, Tokyo, (JP)
Fujita, Ichirou, 8-19-305, Gohongi 1-chome, Meguro-ku, Tokyo, (JP)
Yamato, Yoricchika, 4-30-101, Kugayama 3-chome, Suginami-ku, Tokyo, (JP)
Suzuki, Chika, 87, Ichinotsubo, Nakahara-ku, Kawasaki-shi, Kanagawa, (JP)

LEGAL REPRESENTATIVE:

Betten & Resch (101033), Patentanwalte, Theatinerstrasse 8, 80333 Munchen
, (DE)

PATENT (CC, No, Kind, Date): EP 1178421 A2 020206 (Basic)
EP 1178421 A3 040128

APPLICATION (CC, No, Date): EP 2001118381 010727;

PRIORITY (CC, No, Date): JP 2000233511 000801; JP 2001107934 010406

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 122

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200206	2203
SPEC A	(English)	200206	19025
Total word count - document A			21228
Total word count - document B			0

Total word count - documents A + B 21228

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION generated code, total discount (or discount unit), JAN codes for the selected products (obtained from **product database 182**, for example), store name, and **expiration date** and time are stored into **bar code information database 183** (step S1245). Storing this information makes it possible to determine when the scanned **bar code** information for the **electronic** coupon is received from the store system 170 what user used the **electronic** coupon in what store, and the product for which the coupon was used. Fig. 24 shows a sample of a **database** record for storing this information in **bar code information database 183**. As described above, the stored information includes the **bar code**, member ID, JAN codes for the selected **products** or services, discount, store code, and **expiration date** and time.

As noted above, digits 4 to 7 of the bar code comprises the...

23/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00829991

Technique for correlating purchasing behavior of a consumer to advertisements

Technik zur Korrelation des Kaufverhaltens eines Konsumenten mit Werbeeindrucken

Technique de correlation du comportement d'achat d'un consommateur avec son exposition a la publicite

PATENT ASSIGNEE:

Weinblatt, Lee S., (590720), 797 Winthrop Road, Teaneck New Jersey 07666, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Weinblatt, Lee S., 797 Winthrop Road, Teaneck New Jersey 07666, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 769749 A2 970423 (Basic)
EP 769749 A3 970507

APPLICATION (CC, No, Date): EP 96202292 920527;

PRIORITY (CC, No, Date): US 733763 910722

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 525947 (EP 923047757)

INTERNATIONAL PATENT CLASS: **G06F-017/60** ; G07G-001/00

ABSTRACT WORD COUNT: 134

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	201
SPEC A	(English)	EPAB97	8471
Total word count - document A			8672
Total word count - document B			0
Total word count - documents A + B			8672

INTERNATIONAL PATENT CLASS: **G06F-017/60** ...

...SPECIFICATION including commercials of course, watched in a particular

household. This information is stored in an **electronic** memory. Consumer purchase behavior is recorded by the use of a **bar code** reading apparatus, such as a wand, which is passed over each purchased product when it...

...this technique is of limited value because it is usable only with products bearing a **bar code**. A great number of products are not sold with a **bar code**, such as gasoline, pharmaceuticals, major appliances, clothing and unpackaged food items. Moreover, the purchase of...

...out the recording of purchases part of this monitoring approach is even more likely for **perishable items** such as ice cream which need to be refrigerated or kept frozen almost immediately upon...

...also suspect in addition to being of limited value due to total reliance on only **bar - coded** items.

A third technique involves a particular store that has been equipped with special computer...

23/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00540442

Technique for correlating purchasing behaviour of a consumer to advertisements

Technik zur Korrelation des Kaufverhaltens eines Konsumenten mit Werbeeindrucken

Technique de corrélation du comportement d'achat d'un consommateur avec son exposition à la publicité

PATENT ASSIGNEE:

Weinblatt, Lee S., (590720), 797 Winthrop Road, Teaneck New Jersey 07666, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Weinblatt, Lee S., 797 Winthrop Road, Teaneck New Jersey 07666, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 525947 A1 930203 (Basic)
EP 525947 B1 970820

APPLICATION (CC, No, Date): EP 92304775 920527;

PRIORITY (CC, No, Date): US 733763 910722

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07G-001/00; **G06F-017/60**

ABSTRACT WORD COUNT: 140

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9708W3	463
CLAIMS B	(German)	9708W3	451
CLAIMS B	(French)	9708W3	529
SPEC B	(English)	9708W3	8062
Total word count - document A			0
Total word count - document B			9505
Total word count - documents A + B			9505

...INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION including commercials of course, watched in a particular household. This information is stored in an **electronic** memory. Consumer purchase behavior is recorded by the use of a **bar code** reading apparatus, such as a wand, which is passed over each purchased product when it...

...this technique is of limited value because it is usable only with products bearing a **bar code**. A great number of products are not sold with a **bar code**, such as gasoline, pharmaceuticals, major appliances, clothing and unpackaged food items. Moreover, the purchase of...

...out the recording of purchases part of this monitoring approach is even more likely for **perishable items** such as ice cream which need to be refrigerated or kept frozen almost immediately upon...

...also suspect in addition to being of limited value due to total reliance on only **bar - coded** items.

A third technique involves a particular store that has been equipped with special computer...

23/3,K/8 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01075377 **Image available**

METHODS AND SYSTEMS FOR RECONCILIATION OF DISCOUNT CERTIFICATES

PROCEDES ET SYSTEMES DE CONCILIATION DE BONS DE REDUCTION

Patent Applicant/Assignee:

FIRST DATA CORPORATION, 12500 East Belford Avenue, Englewood, CO
80112-5939, US, US (Residence), US (Nationality)

Inventor(s):

RANDALL Steve, 11705 Running Fox Trail, Austin, TX 78759, US,
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ALGIENE Kenneth, 9347 W. Vandeventor Drive, Littleton, CO 80128, US,

Legal Representative:

GIBBY Darin J (et al) (agent), Townsend and Townsend and Crew LLP, Two
Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2003104937 A2-A3 20031218 (WO 03104937)
Application: WO 2003US18227 20030609 (PCT/WO US03018227)
Priority Application: US 2002167720 20020610; US 2002238044 20020909; US
2003356368 20030130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12482

Main International Patent Class: **G06F-017/60**

Fulltext Availability:
Detailed Description

Detailed Description

... at block 516 with the point-of-sale device 204, such as by using the
bar - code reader 224. This permits the point-of-sale device 204 to
determine the amount of...
...be required by the discount certificate, such as that it be applied only
to specific **items** and be applied before a specified **expiration date**
. Under circumstances where the discount certificate comprises a physical
discount certificate that is not easy...

23/3,K/9 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT.

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01008731 **Image available**

**METHOD AND APPARATUS FOR APPLYING BAR CODE INFORMATION TO PRODUCTS DURING
PRODUCTION**

**PROCEDE ET APPAREIL PERMETTANT D'APPLIQUER DES INFORMATIONS DE CODE A
BARRES SUR DES PRODUITS PENDANT LA PRODUCTION DE CEUX-CI**

Patent Applicant/Assignee:

INTERNATIONAL BARCODE CORPORATION, 31st Floor, 489 Fifth Avenue, New
York, NY 10017, US, US (Residence), US (Nationality), (For all
designated states except: US)

Patent Applicant/Inventor:

LUBOW Allen, 692 10th Street, Brooklyn, NY 11215-4502, US, US (Residence)
, US (Nationality)

BARENBURG Ron, Apt. 3C, 210 East 15th Street, New York, NY 10003, US, US
(Residence), US (Nationality)

Legal Representative:

HOPPIN Ralph F (agent), c/o Brown Raysman Millstein Felder & Steiner, 900
Third Avenue, New York, NY 10022, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200338738 A1 20030508 (WO 0338738)

Application: WO 2002US34232 20021025 (PCT/WO US0234232)

Priority Application: US 2001348000 20011026; US 2002207658 20020729; US
2002420549 20021023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11449

...International Patent Class: **G06F-017/60**

Fulltext Availability:
Detailed Description

Detailed Description

... via a computer network, serial link, or other wired or wireless

electronic link. In a **bar - coded** work order approach 127, the information is printed on paper as one or more **bar code** symbols by the computer 124, or other computer, and the paper is scanned in by a **bar code** scanner associated with the computer 120 as a work order. As a specific example, the...

...the check data is calculated may include a data string based on a product identifier (**PRODUCT ID**), a lot number (**LOT**) and an **expiration date** (**EXP. DATE**). This is also the information that is printed by the printer 145 as a **bar code** on the products during the production run.

To ensure that the computer 120 has received... accordingly, it can be seen that the present invention provides methods and apparatuses for applying **bar code** information to products on a production line. In one aspect of the invention, **bar code** information is printed on a printable surface of a product during a production run that production run, such as a lot or batch number, commodity number and **expiration date** for the **product**. In another aspect, check data is used to confirm the accuracy of production-run related information that is received by a printer computer for use in printing a **bar code**. When encoded into a printed **bar code**, the check data may further be used by an inspection station to verify that the **bar code** was printed accurately on the product. In another aspect, **bar code** symbol portions are verified for consistency by scanning them in after they have been printed, and accessing a **database** to verify that information associated with the symbol portions is consistent. In another aspect, a...

23/3,K/10 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01006368 **Image available**

INVENTORY MANAGEMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE DE GESTION DE STOCK

Patent Applicant/Assignee:

LSCAN TECHNOLOGIES INC, 375 E. Elm Street, Suite 110, Conshohocken, PA 19428, US, US (Residence), US (Nationality)

Inventor(s):

MICHAEL Martin W, 550 Norwyck Drive, King of Prussia, PA 19406, US,
BOGERT Daphne C, 208 Sherwood Lane, Wallingford, PA 19086, US,

Legal Representative:

LETCHFORD John F (agent), Klehr, Harrison, Harvey, Branzburg & Ellers LLP, 260 South Broad Street, Philadelphia, PA 19102, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200336424 A2-A3 20030501 (WO 0336424)

Application: WO 2002US33952 20021023 (PCT/WO US0233952)

Priority Application: US 2001343641 20011023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English
Fulltext Word Count: 10720

...International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... described in further detail below, Rep A 110
uses the PDA 212 to scan the **barcode** of the sample 102 via an attached **barcode** reader, which can be built into the PDA 212 or removably connected thereto. Information relating to the sample 102 (such as **product** type, lot number, **expiration date**, etc.) is logged into a local **database** 214 stored on the PDA 212, along with the date and time that the scan was performed. This simple procedure (scanning the **barcode** of the sample 102 with the PDA 212) is used by Rep A for a...

...samples to doctors, transferring inventory to another representative, and counting inventory on hand. The local **database** 214 is updated after any transaction that accesses its contents.

It is to be noted...

23/3,K/11 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00961426 **Image available**

SYSTEM AND METHOD FOR UNATTENDED DELIVERY **SYSTEME ET PROCEDE DE DISTRIBUTION AUTOMATIQUE**

Patent Applicant/Inventor:

STEVENS John, 4211 Yonge Street, Suite 600, Toronto, Ontario M2P 2A9, CA,
CA (Residence), US (Nationality)

Legal Representative:

McGINN Sean M (agent), McGinn & Gibb, PLLC, 8321 Old Courthouse Rd.,
Suite 200, Vienna, VA 22182-3817, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200295536 A2-A3 20021128 (WO 0295536)
Application: WO 2002US16019 20020521 (PCT/WO US0216019)
Priority Application: US 2001291962 20010521

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 8263

Main International Patent Class: **G06F-017/60**

Fulltext Availability:
Detailed Description

Detailed Description

... sensitive items at a desirable temperature. The insulated container I I 00 may have a **electronic tag** 21 0 as explained above, affixed thereto, The insulated container

23/3,K/12 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00942062 **Image available**

**DIGITAL OPTIONS HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING
EXCHANGE THEREFOR**

**OPTIONS NUMERIQUES COMPORTANT DES RETOURS AJUSTABLES A BASE DE DEMANDE ET
BOURSE D'ECHANGE A CET EFFET**

Patent Applicant/Assignee:

LONGITUDE INC, 650 Fifth Avenue, New York, NY 10019, US, US (Residence),
US (Nationality)

Inventor(s):

LANGE Jeffrey, 3 East 84th Street, Apt. 3, New York, NY 10028, US,

Legal Representative:

WEISS Charles A (et al) (agent), Kenyon & Kenyon, One Broadway, New York,
NY 10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200274047 A2-A3 20020926 (WO 0274047)

Application: WO 2002US7480 20020311 (PCT/WO US0207480)

Priority Application: US 2001809025 20010316

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 85860

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... In particular, the operator of such a system or exchange provides the
physical plant and **electronic** infrastructure for trading to be
conducted, collects and aggregates investments, calculates the returns
that result...option or future will be
determined by reference to the value of the underlying financial **product**
on the **expiration date**.

The duration of a contingent claim as defined for purposes of this
specification is simply...order crossing network, preferred embodiments
of the present invention are particularly amenable to large-scale
electronic network implementation on a 1 0 wide area network or the
public Internet, for example.

Preferred embodiments of an **electronic** network-based embodiment of the
method of trading in accordance with the invention include one...

...following features.

(a) User Accounts: DBAR contingent claims investment accounts are
1 5 established using **electronic** methods.

(b) Interest and Margin Accounts: Trader accounts are maintained using

electronic methods to record interest paid to traders on open DBAR
contingent claim balances and to...

23/3,K/13 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00906092

RFID RECYCLING SYSTEM AND METHOD
SYSTEME ET PROCEDE DE RECYCLAGE DE RFID

Patent Applicant/Assignee:

NINTENDO OF AMERICA INC, 4820 150th Avenue N.E., Redmond, WA 98052, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

JUNGER Peter J, c/o Nintendo of America Inc., 4820 150th Avenue, N.E.,
Redmond, WA 98052, US, US (Residence), US (Nationality), (Designated
only for: US)

Legal Representative:

PRESTA Joseph S (agent), Nixon & Vanderhye P.C., Suite 800, 1100 North
Glebe Road, Arlington, VA 22201-4714, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200239357 A1 20020516 (WO 0239357)

Application: WO 2001US43018 20011108 (PCT/WO US0143018)

Priority Application: US 2000246579 20001108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4973

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... conventional manner to the retailers that sell the products.

When a retailer receives products having **RFID** tags, the retailer offers
the products for sale along with, for example, other products not having
such IID devices. When a product having an **RFID** device (or other ID
device) is brought to the point of sale location for purchase...

...obtaining the necessary unique identifier for enabling the product to be
registered in the transaction **database**, in the manner described in the
electronic registration patents identified above (step 103). In addition
to simply reading a unique identifier, such as a serial number, from the
product, an advantage of the **RFID** device is that a variety of
additional detailed information (e.g. weight, price, **product**
description, **expiration date**, etc.) may be provided on the RFIID

device. In fact, manufacturers could put almost any...

...of information on the RFID device that could later be read therefrom in connection with **electronic** registration either at the point of sale or at another time. In addition, further information...

23/3,K/14 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00895533 **Image available**

SALE METHOD AND SYSTEM EMPLOYING PRODUCT PRICE VARYING DEPENDENT UPON VALID DATE OF PRODUCT

METHODE ET SYSTEME DE VENTE UTILISANT DES PRIX DE PRODUITS VARIANT EN FONCTION DE LA DATE D'EXPIRATION DES PRODUITS

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

LEE Young-Pil (agent), The Cheonghwa Building, 1571-18 Seocho-dong, Seocho-gu, Seoul 137-874, KR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200229661 A1 20020411 (WO 0229661)

Application: WO 2001KR1628 20010927 (PCT/WO KR0101628)

Priority Application: KR 200057864 20001002

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: Korean

Fulltext Word Count: 14117

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... in which.

12

FIG. 1 illustrates an example of a conventional distribution path of a **product** having an **expiration date** ;

FIG. 2 illustrates an example of a sales method for varying a **product** 's price according to the **expiration date** of the **product** , according

to a first preferred embodiment of the ...3 illustrates a sales system employing the sales method of

FIG. 2 for varying a **product** 's price according to the **expiration date** of the **product** ;

FIG. 4 illustrates an example of a **bar code** according to the present invention;

FIG. 5 illustrates a dynamic price sales system according to...

...embodiment of the present invention;

FIG. 6 illustrates a display unit of a time stamp **bar code** adaptor (TSBA);

FIG. 7 illustrates an example of a time stamp **bar code** (TSB) being generated, attached, and printed-;

FIG. 8 illustrates an example in which the TSBA of FIG. 6 is applied between a conventional **bar code** scanner and a POS terminal;

FIG. 9 illustrates an example of a TSB algorithm implemented by software in a conventional POS terminal and a **database** ;

FIG. 10 illustrates an example of a TSB function being applied to a **bar code** scanner having a real time clock (RTC);

FIG. 11 illustrates an example of a...

...according to time;

FIG. 16 illustrates a method for calculating a dynamic price of an **item** , which is **perishable** , according to the time elapsed from distribution;

FIG. 17 illustrates a method for indicating a...

23/3,K/15 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00779723 **Image available**

BUSINESS SYSTEM

SYSTEME COMMERCIAL

Patent Applicant/Inventor:

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MOMIN Zulfiqar Noormohammed, 1201 Dulles Avenue, Apartment 5105,
Stafford, TX 77477, US, US (Residence), US (Nationality)

Legal Representative:

FULGHUM Roger, Baker Botts L.L.P., One Shell Plaza, 910 Louisiana,
Houston, TX 77002-4995, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200113307 A1 20010222 (WO 0113307)

Application: WO 2000US22503 20000816 (PCT/WO US0022503)

Priority Application: US 99375934 19990817

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CR CU
CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ
EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English
Fulltext Word Count: 9311

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... an electronic coupon with a plurality of digital representations of product image and uniform product **bar code**; a plurality of digital representations of **indicia** identifying discount information, product title, coupon owner's title, redemption specification, uniform **product code**, **expiration date**, coupon serial number, user's name, user's identification number, user's Internet address and...

23/3,K/16 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00777227 **Image available**

ELECTRONIC SYSTEM FOR TRACKING AND MONITORING ARTICLES TO BE STERILIZED AND ASSOCIATED METHOD **SYSTEME ELECTRONIQUE DE SUIVI ET DE SURVEILLANCE D'ARTICLES A STERILISER, ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

3M INNOVATIVE PROPERTIES COMPANY, 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427, US, US (Residence), US (Nationality)

Inventor(s):

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RUMBLE Ric, Post Office Box 33427, Saint Paul, MN 55133-3427, US

Legal Representative:

HOHENSHELL Jeffrey J, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200110476 A1 20010215 (WO 0110476)
Application: WO 2000US18720 20000710 (PCT/WO US0018720)
Priority Application: US 99369098 19990805

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CR CU
CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ
EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 19031

International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... test packs, electronic sterilization integrators, electronic signals from biological indicator readers 327, electronic signals from **bar code** readers 312, and link components from multiple sources in a format reflective of how the...

23/3,K/17 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00762425 **Image available**

AN ELECTRONIC-RECEIPTS SERVICE**SERVICE ELECTRONIQUE DE RECUS**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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STOUT J Greg, 642 Caliente, #23, Sunnyvale, CA 94086, US,

VALLIANI Aziz, 1111 Tewa Court, Fremont, CA 94539, US,

RAFII Abbas, 1546 Wisteria Court, Los Altos, CA 94024, US,

KAREEMI Nazim, 2145 Emerson Street, Palo Alto, CA, US,

Legal Representative:

KAUFMAN Michael A (et al) (agent), Flehr Hohbach Test Albritton & Herbert

LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200075834 A2-A3 20001214 (WO 0075834)

Application: WO 2000US15368 20000602 (PCT/WO US0015368)

Priority Application: US 99137575 19990604; US 99141380 19990628; US

2000480883 20000110

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 18738

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... card expiration

date, line items, line-item prices, transaction total, transaction keys,

transaction type and **electronic** signature to an **electronic** -record

repository containing an **electronic** record with details of a

I I transaction created at business other than said merchant;

using a web browser to log onto a web site hosting said

electronic -record repository;

then searching for said **electronic** record on said **electronic**

record repository over an internet;

using a web browser to retrieve a copy of said **electronic**

record from said website on behalf of one of the following: said

buyer, said merchant...

...transaction and
 performing one of downloading, printing, faxing and e-mailing a
 copy of said **electronic** record; and
 then using said **electronic** record as proof of said transaction in
 order to dispute an alternative record of said...

...receiptcity.com Page I of I
 VVelcorne to keceiptCity, tne web's leacing site tor **electronic**
 receipts
 lHemel (e-receipts) and your personal e-receipts vault. At this site you
 can...and Gift 7Cosmetics
 Paskets
 MFrangrances Bath & Body
 71-lousewares Appliances
 7PC's. Cameras, -ILSoftware
 Consumer **Electronics**
 F@Music and Videos 7Books
 [DToys and Games Camping and
 Outdoor
 [:]Sporting Goods J'Food...will be prompted for this identifier at the
 point of sale it you want an **electronic** receipt for specific Cash
 transaction. 'Lopyright (O 1999, Q00S.COM Inc. Ail rights reserved.
 Please...Your Choices" below).
 I-low the Site Works
 At your request, participating merchants send your **electronic** receipts
 to the RecciptCity website where they are stored with any personal data
 that you...information such as account nwiiber.,@ remain encrypted
 N%life stored in the ReceiptCity databas@-. Our **database** server is
 protected in many w;iv,.. including dual firewalls. intrusion detection.
 31ld COTT11)1V11V11s...

...box at the point of reowration. 11iis site also IM VDILL remove fi-oni
 utir **database** tile informLificin diat voti have provided to its if you
 want no future communication wifli...

...make visit loi)-in Lind enter your password. Then,
 tile chatiges you xv; it. icLxt " **Upc** ye
 s%.:lCCt "Profile. A fter makitiL 11 late Info." To chaniz
 tile list ol...

...Search exactly what was purchased (and for those who signed the receipt
 with Knowledge Basel **electronic** signature capture devices,) to answer
 credit card statement [FAQsl questions. With select merchants, you can...

23/3,K/18 (Item 11 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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00535085 **Image available**
**SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR
 A RETAIL ESTABLISHMENT**
**SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION
 CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL**
 Patent Applicant/Assignee:
 WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
 Inventor(s):
 WALKER Jay S,
 VAN LUCHENE Andrew S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9966437 A1 19991223
Application: WO 99US10624 19990513 (PCT/WO US9910624)
Priority Application: US 9898240 19980616

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9339

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... Therefore, no discount is applicable to the purchase.

It should be noted that while the **bar code** may be printed on a coupon, the present invention is not so limited. To the contrary, the present invention contemplates that the **bar code** may be printed on any item in the retail establishment. In this way, the value...may be adjusted accordingly to encourage the sale of the product. The conditions on the **products** could be new **merchandise**, **merchandise** nearing an **expiration date**, or **merchandise** past an **expiration date**. These conditional discounts on the **products** thus eliminate the need to change the prices in a **database**. A time code stamped into the **bar code** symbol would be used to automatically adjust the price. Also, items could have different prices...

23/3,K/19 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00365229 **Image available**

INTERACTIVE MARKETING NETWORK AND PROCESS USING ELECTRONIC CERTIFICATES
RESEAU DE MARKETING INTERACTIF ET PROCEDE D'UTILISATION DE CERTIFICATS
ELECTRONIQUES

Patent Applicant/Assignee:

INTERACTIVE COUPON MARKETING GROUP INC,

Inventor(s):

GOLDEN Steven M,
LEVIN Hillel,
ANDERSON Bradley A,
GENTRY Gary D,
BARBOUR James A,
SCHORNBURG Albert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9705555 A1 19970213
Application: WO 96US12181 19960725 (PCT/WO US9612181)
Priority Application: US 95507693 19950725

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU
TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5845

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... transaction

(e.g., in the case of a coupon, the transaction data would include
a **product** description, the coupon amount, and the **expiration date**)

These certificates also typically contain data (referred to in the
claims as "identification data") such various numbers, letters,
barcodes or other symbols sufficient to uniquely identify each
certificate,

The need arises for creation of an online " **electronic**
certificate" that can be used for promotional or transactional
purposes,, much as coupons have been...

Set	Items	Description
S1	8270	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	3699	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	90264	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	239302	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	8757	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	2454	S5 AND (S3 OR S4)
S7	3	S6 AND S1
S8	3	RD (unique items)
S9	21	S1 AND S5
S10	0	S9 AND S2
S11	21	RD S9 (unique items)
S12	9	S11 NOT PY>1999
File	2:INSPEC 1898-2005/Nov W1	(c) 2005 Institution of Electrical Engineers
File	35:Dissertation Abs Online 1861-2005/Oct	(c) 2005 ProQuest Info&Learning
File	65:Inside Conferences 1993-2005/Nov W2	(c) 2005 BLDSC all rts. reserv.
File	99:Wilson Appl. Sci & Tech Abs 1983-2005/Oct	(c) 2005 The HW Wilson Co.
File	474:New York Times Abs 1969-2005/Nov 13	(c) 2005 The New York Times
File	475:Wall Street Journal Abs 1973-2005/Nov 11	(c) 2005 The New York Times
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group

Considered 11/28/05 QJF

12/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

05494645

Title: Nutricia tracks perishable foods
Author(s): Beale, S.R.
Journal: ID Systems European Edition vol.1, no.3 p.24-6
Publication Date: Fall 1993 **Country of Publication:** USA
Language: English **Document Type:** Journal Paper (JP)
Treatment: General, Review (G); Practical (P)
Abstract: Nutricia is Europe's leading manufacturer of chocolate milk, baby food, and hospital dietary food. A year ago, Nutricia embarked on developing a comprehensive automation system for its production, warehouse and distribution facilities. The system, which is being implemented by Combitrading (Utrecht, The Netherlands), involves three phases. The first phase, an RF/DC logistics system for warehousing and inventory control, is almost completed. The next step is an automated production monitoring system, and the third step is a tracking program that will enable Nutricia to determine when its products arrive at end user locations. The **bar code** -based warehousing and inventory control application incorporates an LXE RF network controller and portable terminals, RJS printers, and **bar code** scanners from Symbol Technologies. (0 Refs)
Subfile: D
Descriptors: **bar codes** ; distributive data processing; food processing industry; stock control; warehouse automation
Identifiers: Nutricia; **perishable** foods; automation system; tracking program; LXE RF network controller; distribution facilities; Combitrading; RF/DC logistics system; inventory control; automated production monitoring system; **bar code** -based warehousing; portable terminals; RJS printers; Symbol Technologies
Class Codes: D2070 (Industrial and manufacturing); D2140 (Marketing, retailing and distribution)

12/5/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

03504308 INSPEC Abstract Number: C85041543

Title: Imitating bar codes
Journal: Computer Fraud & Security Bulletin vol.7, no.4 p.1-2
Publication Date: Feb. 1985 **Country of Publication:** UK
CODEN: CFSBEK **ISSN:** 0142-0496
U.S. Copyright Clearance Center Code: 0142-0496/85/\$0.00+2.20
Language: English **Document Type:** Journal Paper (JP)
Treatment: Applications (A); Practical (P); Product Review (R)
Abstract: The Mac **Barcode** system, costing just \$600, permits the Apple Macintosh to read and reproduce **bar codes** of the type used by stores and supermarkets on pricing and products labels. They are also used by major food manufacturers and druggists to spell out the **shelf life** of their products. (0 Refs)
Subfile: C
Descriptors: Apple computers; mark scanning equipment
Identifiers: Mac **Barcode** system; Apple Macintosh; **bar codes**
Class Codes: C5590 (Other peripheral equipment)

12/5/3 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2005 The HW Wilson Co. All rts. reserv.

1564441 H.W. WILSON RECORD NUMBER: BAST97057705

Global bar coding-and more

Bushnell, Rick;

Modern Materials Handling v. 52 (Sept. '97) p. 37

DOCUMENT TYPE: Feature Article ISSN: 0026-8038 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: The UCC/EAN guidelines on product bar coding may require companies to implement certain changes if they are expanding into new areas. UCC/EAN bar coding is a method of product identification that can be represented in a **bar code**; however, this method can also be used to provide a range of other information. This information can include serial numbers, **sell -by dates**, lot numbers, purchase order numbers, and package serial numbers.

DESCRIPTORS: Bar coding;

12/5/4 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2005 The HW Wilson Co. All rts. reserv.

1174527 H.W. WILSON RECORD NUMBER: BAST94043134

Printer is ideal for variety of materials

Food Engineering v. 66 (July '94) p. 45

DOCUMENT TYPE: Feature Article ISSN: 0193-323X LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: The Jaguar Model J2744 programmable printer, from Norwood Marking Systems of Illinois, is a computer-controlled unit that can identify products and packages in-line and off-line. This text and image printing system is versatile in that it can print variable information, such as **bar codes**, lot numbers, graphics, **sell -by dates**, prices, contents, and nutrition facts, on most packaging materials.

DESCRIPTORS: Packaging materials--Printing; Computer printers;

12/5/5 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

09071326

MITI TO CHANGE **BAR - CODE** SYSTEM

JAPAN: **BAR - CODE** SYSTEM TO BE MODIFIED

The Nikkei Weekly (NW) 01 Mar 1999 p.2

Language: ENGLISH

As numbers allocated to consumer goods under the current **bar - code** system are likely to be used up by early next century, the Ministry of International Trade and Industry will revise the system in January 2001. The change is not expected to be a major one, but it is expected to involve most consumer-goods manufacturers, wholesalers and retailers with modifications made to some software for computers and other equipment. However, corporate capital investment would not be necessary as the ministry will not change the number of digits used in the code. Meanwhile, the most popular **bar - code** system in Japan is the 13-digit JAN system, with more than 100,000 companies using it. Codes are expected to be run out

of supply as the **perishable** -food sector start using them. Total capital investment to satisfy the new standard is estimated to reach tens of billions of yen. There are currently 640,000 point-of-sales terminals that read **bar codes** in Japan.

EVENT: Government Domestic Functions (97);

COUNTRY: Japan (9JPN);

12/5/6 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

09010340

Can't stand the heat? Get a smart kitchen

UK: DEVICES BEING DEVELOPED TO AUTOMATE KITCHENS

Observer (ZCR) 1 Nov 1998 p.12

Language: ENGLISH

An automated and computerised kitchen will soon be possible thanks to the use of **bar codes** on all food items sold, according to UK experts working on the Kitchen Sync project. These **bar codes** will tell electronic devices what is stored in the Kitchen and they will automatically order new items via the internet when it records that an item has been put in the waste bin. Storage units will be able to tell from a **bar code** if an item is past its **use by date** and cookers can be programmed to cook the food in a certain way and to prevent food from becoming burnt.

COMPANY: KITCHEN SYNC

PRODUCT: Food Products Machinery (3551); Cookers (3631CO);

EVENT: General Management Services (26); Product Design & Development (33);

COUNTRY: United Kingdom (4UK);

12/5/7 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

06320742

Le jour o9 les produits seront intelligents

WORLD: INTELLIGENT LABELS

LSA (LSA) 30 May 1996 p.122

Language: FRENCH

Electronic labels may profoundly change the way people throughout the world prepare food. These labels will be able to send a beep or a buzz from the back of the refrigerator when the product is about to the end of its **use -by date**. **Electronic labels** on ready meals, for example will be able to give commands to microwave ovens for the right cooking conditions.

Electronic labels of the future will improve logistics, by rapidly counting articles when they arrive in stores, or during inventories, and provide theft protection and more precise follow-up. It will also be possible to do away with check out stands by electronically totting up a customers articles while they are still in the supermarket trolley. The high cost of **electronic labels** (FFr 0.5 to FFr 4) make it necessary to find the most applications possible if they are to take over from **bar codes**.

EVENT: Product Design & Development (33);
COUNTRY: General Worldwide (0W);

12/5/8 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

05514583

Sweet smell of success from the right product mix
UK - SWEET SMELL OF SUCCESS FROM THE RIGHT PRODUCT MIX
Financial Times (C) 1992 (FT) 22 December 1992 p16

Thorntons' growth and profitability in the 1990s will depend on the success of the different strategies it has undertaken to cope with the idiosyncrasies of the UK chocolate business, not only at Christmas. Mr Thornton says the group is striving to improve the way it manages stock to ensure 'stock does end up in the right place at the right time'. It recently installed a computerised stock accounting system whereby shop staff input sales information into hand-held terminals connected to Thorntons' main factory near Derby. The group is also planning to introduce electronic point of sales scanning equipment, to provide immediately accurate pricing and stock taking by reading product **bar - codes**, in the near future. Thorntons has techniques of its own for combating the Christmas sales onslaught. It aims to sell out of its speciality Christmas products well before December 25, relying then on seasonally packaged chocolates and 'seasonalised' products. The latter are ordinary Thorntons ranges which can be taken out of their Christmas wrapping for sale in the New Year without losing their **freshness**. Mr Thornton adds that should sales be overestimated, product can be held back at the factory where it will last longer in cold storage. Gauging the progress of Christmas sales is difficult but initial indications are that response has been good to this year's Christmas advertising campaign. The relaunch of Thornton's Continental chocolate boxes lifted sales, and the launch of the Select collection in the autumn added 6 per cent to turnover at the 150 shops at which it is available.**

Copyright: Financial Times Ltd 1992

COMPANY: THORNTONS

PRODUCT: Chocolate Confectionery (2065CC);
EVENT: COMPANY PROFILE (10);
COUNTRY: United Kingdom (4UK); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

12/5/9 (Item 5 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)
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04260615

Servair automatise sa restauration ferroviaire
FRANCE - SERVAIR INVESTS IN CENTRALISATION AND AUTOMATION
Usine Nouvelle (LNW) 2 May 1991 p64
Language: French

Servair, air and rail catering subsidiary of Air France, has invested FFfr110 mil in its rail preparation centre at the Vaugirard station in Paris. This automated unit centralises preparation, and also separates actual food preparation from meal assembly. Some FFfr20 mil went on software

and automation, supplied by Cody, with Samovie supplying handling equipment. Packages are **bar - coded** and **perishable** goods are separated. Four trains can be loaded at once, and the target is 300 trains/d by 1993, equal to 31k t/y of products, and 1 mil/y meals.**

PRODUCT: Automated Machinery (3500AM); Restaurants & Food Service (5800);
Industrial Catering (5820IC);

EVENT: COMPANIES ACTIVITIES (10);

COUNTRY: France (4FRA); Northern Europe (414); OECD Europe (415); European
Economic Community Countries (419); NATO Countries (420); South East
Asia Treaty Organisation (913);

Set	Items	Description
S1	8270	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	3699	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	90264	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	239302	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	8757	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	2454	S5 AND (S3 OR S4)
S7	3	S6 AND S1
S8	3	RD (unique items)
S9	21	S1 AND S5
S10	0	S9 AND S2
S11	21	RD S9 (unique items)
S12	9	S11 NOT PY>1999
S13	5514	INVENTORY(1N)CONTROL
S14	47	S1 AND S13
S15	1	S14 AND (S5 OR S2)
S16	1436028	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S17	277	S16(S)S1
S18	6	S17 AND S5
S19	6	S17 AND (S5 OR S2)
S20	7	S19 OR S15
S21	5	S20 NOT PY>1999
S22	5	RD (unique items)
File	2:INSPEC	1898-2005/Nov W1 (c) 2005 Institution of Electrical Engineers
File	35:Dissertation Abs Online	1861-2005/Oct (c) 2005 ProQuest Info&Learning
File	65:Inside Conferences	1993-2005/Nov W2 (c) 2005 BLDSC all rts. reserv.
File	99:Wilson Appl. Sci & Tech Abs	1983-2005/Oct (c) 2005 The HW Wilson Co.
File	474:New York Times Abs	1969-2005/Nov 13 (c) 2005 The New York Times
File	475:Wall Street Journal Abs	1973-2005/Nov 11 (c) 2005 The New York Times
File	583:Gale Group Globalbase(TM)	1986-2002/Dec 13 (c) 2002 The Gale Group

Considered 11/28/05 QJF

22/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

05494645

Title: Nutricia tracks perishable foods
Author(s): Beale, S.R.
Journal: ID Systems European Edition vol.1, no.3 p.24-6
Publication Date: Fall 1993 Country of Publication: USA
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G); Practical (P)
Abstract: Nutricia is Europe's leading manufacturer of chocolate milk, baby food, and hospital dietary food. A year ago, Nutricia embarked on developing a comprehensive automation system for its production, warehouse and distribution facilities. The system, which is being implemented by Combitrading (Utrecht, The Netherlands), involves three phases. The first phase, an RF/DC logistics system for warehousing and **inventory control**, is almost completed. The next step is an automated production monitoring system, and the third step is a tracking program that will enable Nutricia to determine when its products arrive at end user locations. The **bar code** -based warehousing and **inventory control** application incorporates an LXE RF network controller and portable terminals, RJS printers, and **bar code** scanners from Symbol Technologies. (0 Refs)
Subfile: D
Descriptors: **bar codes** ; distributive data processing; food processing industry; stock control; warehouse automation
Identifiers: Nutricia; **perishable** foods; automation system; tracking program; LXE RF network controller; distribution facilities; Combitrading; RF/DC logistics system; **inventory control** ; automated production monitoring system; **bar code** -based warehousing; portable terminals; RJS printers; Symbol Technologies
Class Codes: D2070 (Industrial and manufacturing); D2140 (Marketing, retailing and distribution)

22/5/2 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2005 The HW Wilson Co. All rts. reserv.

1174527 H.W. WILSON RECORD NUMBER: BAST94043134

Printer is ideal for variety of materials

Food Engineering v. 66 (July '94) p. 45

DOCUMENT TYPE: Feature Article ISSN: 0193-323X LANGUAGE: English
RECORD STATUS: New record

ABSTRACT: The Jaguar Model J2744 programmable printer, from Norwood Marking Systems of Illinois, is a **computer - controlled** unit that can identify products and packages in-line and off-line. This text and image printing system is versatile in that it can print variable information, such as **bar codes**, lot numbers, graphics, **sell -by dates**, prices, contents, and nutrition facts, on most packaging materials.

DESCRIPTORS: Packaging materials--Printing; Computer printers;

22/5/3 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09010340

Can't stand the heat? Get a smart kitchen

UK: DEVICES BEING DEVELOPED TO AUTOMATE KITCHENS
Observer (ZCR) 1 Nov 1998 p.12
Language: ENGLISH

An automated and **computerised** kitchen will soon be possible thanks to the use of **bar codes** on all food items sold, according to UK experts working on the Kitchen Sync project. These **bar codes** will tell **electronic** devices what is stored in the Kitchen and they will automatically order new items via the internet when it records that an item has been put in the waste bin. Storage units will be able to tell from a **bar code** if an item is past its **use by date** and cookers can be programmed to cook the food in a certain way and to prevent food from becoming burnt.

COMPANY: KITCHEN SYNC

PRODUCT: Food Products Machinery (3551); Cookers (3631CO);
EVENT: General Management Services (26); Product Design & Development (33);
COUNTRY: United Kingdom (4UK);

22/5/4 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

06320742
Le jour o9 les produits seront intelligents
WORLD: INTELLIGENT LABELS
LSA (LSA) 30 May 1996 p.122
Language: FRENCH

Electronic labels may profoundly change the way people throughout the world prepare food. These labels will be able to send a beep or a buzz from the back of the refrigerator when the product is about to the end of its **use by date**. **Electronic labels** on ready meals, for example will be able to give commands to microwave ovens for the right cooking conditions. **Electronic labels** of the future will improve logistics, by rapidly counting articles when they arrive in stores, or during inventories, and provide theft protection and more precise follow-up. It will also be possible to do away with check out stands by **electronically** totting up a customers articles while they are still in the supermarket trolley. The high cost of **electronic labels** (FFr 0.5 to FFr 4) make it necessary to find the most applications possible if they are to take over from **bar codes**.

EVENT: Product Design & Development (33);
COUNTRY: General Worldwide (0W);

22/5/5 (Item 3 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

05514583
Sweet smell of success from the right product mix
UK - SWEET SMELL OF SUCCESS FROM THE RIGHT PRODUCT MIX
Financial Times (C) 1992 (FT) 22 December 1992 p16

Thorntons' growth and profitability in the 1990s will depend on the success of the different strategies it has undertaken to cope with the idiosyncrasies of the UK chocolate business, not only at Christmas. Mr Thornton says the group is striving to improve the way it manages stock to ensure 'stock does end up in the right place at the right time'. It recently installed a **computerised** stock accounting system whereby shop staff input sales information into hand-held terminals connected to Thornton's main factory near Derby. The group is also planning to introduce **electronic** point of sales scanning equipment, to provide immediately accurate pricing and stock taking by reading product **bar - codes**, in the near future. Thornton's has techniques of its own for combating the Christmas sales onslaught. It aims to sell out of its speciality Christmas products well before December 25, relying then on seasonally packaged chocolates and 'seasonalised' products. The latter are ordinary Thornton's ranges which can be taken out of their Christmas wrapping for sale in the New Year without losing their **freshness**. Mr Thornton adds that should sales be overestimated, product can be held back at the factory where it will last longer in cold storage. Gauging the progress of Christmas sales is difficult but initial indications are that response has been good to this year's Christmas advertising campaign. The relaunch of Thornton's Continental chocolate boxes lifted sales, and the launch of the Select collection in the autumn added 6 per cent to turnover at the 150 shops at which it is available.**

Copyright: Financial Times Ltd 1992

COMPANY: THORNTONS

PRODUCT: Chocolate Confectionery (2065CC);

EVENT: COMPANY PROFILE (10);

COUNTRY: United Kingdom (4UK); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

Set	Items	Description
S1	68645	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	21148	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	665292	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	1986807	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	60004	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	832	S1 AND S5
S7	11	S6 AND S2
S8	11	RD (unique items)
S9	6	S8 NOT PY>1999
S10	6	RD (unique items)

File 20:Dialog Global Reporter 1997-2005/Nov 14
(c) 2005 Dialog

Considered JF 11/28/05

10/3,K/1

DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

07589222 (USE FORMAT 7 OR 9 FOR FULLTEXT)

PinPoint Brings Web Capabilities to Local Positioning System Technology

BUSINESS WIRE

October 05, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1265

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Tracker

Comprehensive historical reporting can be accomplished with Tracker. The end-user can design and **print** their own **reports** based upon pertinent factors such as resource usage, time interval, resource type, and other criteria...

...OMI

OMI is a leading provider of Supply Chain Inventory Visibility systems for the food, **perishables**, general merchandise and drug industries. OMI's systems integrate enterprise-wide purchasing, advanced Radio Frequency...

... employed by global positioning system (GPS), wireless local area networks (LANs) and radio frequency identification (**RFID**), and is targeted at applications requiring a high degree of tracking accuracy such as yard...

10/3,K/2

DIALOG(R)File 20:Dialog Global Reporter
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07154844 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Clever containers

ELECTRONICS TIMES, pPage 31

September 06, 1999

JOURNAL CODE: FETS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1118

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... engage in two-way communications across global networks. The enabling technology is radio frequency identification (**RFID**).

RFID involves incorporating a small, electronically detectable device based on standard semi-conductor technology on to...

...enters a radio field, it will be energised to transmit and receive data.

Think of **RFID** systems as providers of wireless radio wave links, connecting individual items with an information management...

... is then used to activate a system, authorise a transaction or retrieve an asset profile.

RFID functions as a portable database, independent of any need to access a central server. Its read/ write capability means new information can to be added at any time, and **RFID** tag memory can be deleted and re-written in the same way as a PC...

... capabilities open up a wide range of possibilities for remote

identification and tracking of products. **RFID** chips can be securely programmed at the point of origin with unique identification numbers for...

...product to be confirmed.

Manufacturers' codes, batch numbers as well as product information such as **use -by dates** and safety information can be carried.

Individual items can be tracked throughout the supply chain and counted in bulk, without physical separation. If that item is sold, an '**electronic receipt**' stamps price/ date/place information which can be used for a variety of purposes - for warranty information, to tell a fridge when a product is past its **sell -by date** or to stop 'returns fraud'.

Additional codes can be written to the tag memory as...

... cheaper, GPS satellite positioning systems, some small enough to fit into a wristwatch, can energise **RFID** elements to pinpoint the exact position of a chip anywhere in the world.

The first generation of **RFID** devices were a relatively expensive way of identifying products, people or animals using bulky tags...

...dollars 10 to dollars 100 each.

But to realise the true potential of the technology, **RFID** systems needed to become both small and cheap enough to be regarded as disposable. Already prices are coming down, and the latest low-cost **RFID** devices can be delivered on small labels and decals at less than dollars 1 per... standards - an important feature for the convergence of applications.

The pace of development in the **RFID** market shows no sign of flagging.

Future challenges on the technology side will include developing...

10/3,K/3

DIALOG(R)File 20:Dialog Global Reporter

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06358347 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Internet-linked refrigerator not as crazy as it may seem

SECTION TITLE: News

Stephen Lynch

BUDAPEST BUSINESS JOURNAL

July 05, 1999

JOURNAL CODE: WBBJ LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 794

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Internet and post it on the screen.

A scanner inside the refrigerator, meanwhile, will read **electronic tags** "found on all food and liquid packaging in the future," says one Electrolux brochure.

"Invited...

... around the world. Devices like WebTV will make television interactive, allowing us to click through **on - screen** program **listings** or actor biographies.

In short, every device that can logically use the resources of the...
...the kitchen.

I may not access the refrigerator from work to inquire as to the **freshness** of my produce, but I would look up recipes, or even watch the news.

The...

10/3,K/4

DIALOG(R)File 20:Dialog Global Reporter
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04943489 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**GE Information Services Introduces GE Desktop*ASN(TM), A Comprehensive
Advanced Ship Notice Solution**

PR NEWSWIRE

April 13, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 482

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... vendors who need to comply with their customers' ASN and invoicing requirements. Desktop*ASN incorporates **bar code** scanning, printing of serialized **bar code** labels and Electronic Data Interchange (EDI). Together, these technologies automatically generate ASN and invoice documents...

... label creation * Automatic generation of the electronic ASN * Automatic generation of the electronic invoice * Serialized **bar - code** label printing * Support of a variety of printers (Monarch, Zebra, laser printers) * **Print** -outs of pick **lists**, pack lists and bills of lading * Tracking of product lot numbers and **expiration date** * Automatic creation of back orders for partial shipments

GE Desktop*ASN software and trading partner...

10/3,K/5

DIALOG(R)File 20:Dialog Global Reporter
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04549186 (USE FORMAT 7 OR 9 FOR FULLTEXT)

San Jose Mercury News, Calif., ModemDriver Column

Dave Plotnikoff

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (SAN JOSE MERCURY NEWS - CALIFORNIA)

March 07, 1999

JOURNAL CODE: KSJM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1264

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... at a trade show in New Orleans. The fridge has a touch-screen and a **bar - code** scanner built into the door. Consumers who find themselves running low on mayonnaise or maraschino cherries would scan the container, thus entering the item into an **electronic grocery list**. The **list** would eventually be zapped to an online grocer. (No word just yet on how non- **UPC** labeled items such as produce would figure into such a scheme.) So that's the...

... I purchased those eggs and send me a series of increasingly strident warnings as the **expiration date** approached. ("Wouldn't tonight be a fine time to try green eggs and ham for...

10/3,K/6

DIALOG(R)File 20:Dialog Global Reporter

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03341893 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Can't stand the heat? Get a smart kitchen

JOHN ARLIDGE

OBSERVER, p12

November 01, 1998

JOURNAL CODE: FOBS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... chores like shopping and preparation, letting people get on with what they enjoy - cooking.'

Simple **bar codes** are the key to the smart kitchen. In a few years, every package of food...

...in the bin.

As you throw away items, scanners in the dustbin will read the **bar codes** on their wrappers. When you are about to run out of milk, eggs, or your favourite pasta, the dustbin will **print** out a **list** which can be transmitted via the Internet to your local supermarket. The shop will bill

...

... dishes burning or boiling over, and the oven will cook ready-made meals according to **bar - coded** instructions.

There will be no more lumpy milk or mouldy cheese, because your fridge will warn when the **use -by date** approaches. And you will never drink another unsatisfactory cup of coffee. When you place your...

...burning

CUPBOARD: Central computer knows when you run out of items

FRIDGE: Warns you the **use -by date** is about to expire

SCALES: Weighs out the exact amount of ingredients

DUSTBIN: Records which products need replacing

How the intelligent dustbin works

Scanners in the dustbin will read the **bar codes** on the wrappers then send the information to a central computer

Shopping list then can...

Set	Items	Description
S1	50367	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	22952	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	429629	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	784408	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	52932	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	20614	INVENTORY(1N)CONTROL
S7	2044891	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S8	1355	S1 AND S5
S9	31	S8 AND S2
S10	18	S9 NOT PY>1999
S11	17	RD (unique items)
File	15:ABI/Inform(R)	1971-2005/Nov 14 (c) 2005 ProQuest Info&Learning
File	610:Business Wire	1999-2005/Nov 14 (c) 2005 Business Wire.
File	810:Business Wire	1986-1999/Feb 28 (c) 1999 Business Wire
File	476:Financial Times Fulltext	1982-2005/Nov 15 (c) 2005 Financial Times Ltd
File	613:PR Newswire	1999-2005/Nov 14 (c) 2005 PR Newswire Association Inc
File	813:PR Newswire	1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	634:San Jose Mercury	Jun 1985-2005/Nov 12 (c) 2005 San Jose Mercury News
File	624:McGraw-Hill Publications	1985-2005/Nov 14 (c) 2005 McGraw-Hill Co. Inc

considered 11/28/05 ggt

11/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02248781 86923478
Fully digital survey systems for property
De Boehmler, Roger
Structural Survey v16n2 PP: 61-66 1998
ISSN: 0263-080X JRNL CODE: STSV
WORD COUNT: 3994

...TEXT: have been used for data collection on large-scale surveys. So have standard forms using **bar code** and forms-based scanners. However, these early experiences of using computers on-site have been...

...signature.

The photographic negatives are printed onto photographic paper and pasted onto pages within the **printed report**. Any sketches from site are tidied up and made ready for the report. If the...

...to provide acceptable photograph copies.

Paper as a form of data presentation means a short **shelf - life** for the report as it cannot be easily updated nor share the data within other... held computers were also used to gather basic data about individual building assets, often using **barcode** readers to quickly enter a unique asset reference.

Most surveyors have seen or, unfortunately, used...

...its users and after all, produced only a standard number of very simple and ugly **printed reports**.

The aftertaste of an involvement with these early survey systems was bitter and no one...

11/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01872873 05-23865
Shipment info: Link it or carry it?
Cummins, Chris
Automatic I.D. News v15n9 PP: 44 Aug 1999
ISSN: 0890-9768 JRNL CODE: AIN
WORD COUNT: 1004

...DESCRIPTORS: **Bar codes** ;

...ABSTRACT: symbol. The composite symbol is made up of two parts, a linear UCC/EAN-128 **bar code** and a 2D code. The real value comes from the integration of the linear and...

...TEXT: value

The composite symbol is made up of two parts, a linear UCC/EAN-128 **bar code** and a 2D code. Instead of two separate symbols to scan, the composite can be...

...scan. Combining the linear and 2D components saves space on the label. Since the linear **bar code** acts as the finder pattern for the 2D symbol, the composite takes up less overall...

...from the integration of the linear and 2D parts into a single symbol. The linear **bar code** provides support for widespread existing implementations of UCC/EAN-128. Existing applications can continue to...

...The value of a 2D symbol can be added without it competing with the linear **bar code** for the attention of the reader. Instead, they complement each other. Also, because the two...

...even in the best systems. Some industries can't afford a breakdown in the links.

Perishable goods, for example, have a short life span and need to move whether the ASN...

...with the shipment. This information can fill the gap when the ASN falls down.

Electronic packing list

What is an ASN if not an **electronic packing list**? The transaction is designed to list the contents of a shipment, just like a packing...

...include linkages to order and shipment transactions. As a critical link in the trade process, **electronic packing lists** lead to more accurate receiving, faster movement of goods to the sales floor and more efficient invoice processing. As industries get better at supply chain management and **electronic commerce**, **electronic packing lists** grow in value.

For the UCC/EAN-128 Composite Symbol, this is the core transaction...

...is building those formats today, based on the Application Identifier data formats already used in **bar codes**. These templates will provide guidelines on how to show different sorts of content information, such as mixed content pallets, serialized goods and **perishable** goods. Yesterday, today and tomorrow

A lot of energy and resources have been put into license plate/ASN architecture. Today, hundreds of thousands of UCC/EAN-128 **bar codes** carrying SSCC numbers are scanned every day and associated with ASNs. When it works, it...

11/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01721258 03-72248

Evaluated receipts settlement (ERS) and tax compliance

Anonymous

Tax Executive v50n5 PP: 350-357 Sep/Oct 1998

ISSN: 0040-0025 JRNL CODE: TXE

WORD COUNT: 4332

...TEXT: prices is sent by the supplier to its purchaser. The information has an agreed upon "**shelf life**" (30 days, 60 days, etc.). This pricing information may be sent to the purchaser electronically...received are

entered either manually into the purchaser's computer or through the use of **bar codes**. The computer system calculates the payment amount due by multiplying the unit price times the...of goods, quantity, price, discount terms, taxability of item, freight, tax, and account coding.

b. **Electronic Goods Receipt Data** (Receiving Report) Including goods receipt reference number (receiving report number), date of receipt, supplier...

...goods, bill of lading or packing slip number, purchase order number, and contract number.

c. **Electronic Price Lists** - Including all updates, changes, dates, etc. to support pricing on the purchase order

d. Tax...

11/3,K/4 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01573900 02-24889

Development of a dietary supplement database

Ashton, Bronwyn A; Ambrosini, Gina L; Marks, Geoffrey C; Harvey, Philip W J ; Bain, Christopher

Australian & New Zealand Journal of Public Health v21n7 PP: 699-702 Dec 1997

ISSN: 1326-0200 JRNL CODE: AUP

WORD COUNT: 2557

...TEXT: in two studies in Queensland and New South Wales (about 850 products).

The TGA provided **printouts listing** the active ingredients of supplements as reported by the product sponsors. The poor quality and... vitamin, the type of the mineral compound, the storage conditions, interactions with other medications, the **shelf life**, and so on. For example, iron in the form of ferrous sulphate is generally considered...

...by study participants using the ARTG number, but in the future, the use of product **bar code** numbers may be an efficient method for specifying products.

Discussion

Recommendations for future work

The...

11/3,K/5 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01509241 01-60229

Do you see what I see? The future of virtual shopping

Burke, Raymond R

Journal of the Academy of Marketing Science v25n4 PP: 352-360 Fall 1997

ISSN: 0092-0703 JRNL CODE: AMK

WORD COUNT: 7329

...TEXT: by expanding the number of checkout lanes, opening special lanes for small orders, and using **UPC** laser scanners to quickly total items. Several new technologies may eliminate lines altogether. ICL Retail...

...a "supertag" system that can instantly scan tagged items in a shopping basket (Cope 1996). **UPC** radio tags send signals to the register, which allows items to be totaled as the...

...customers with state-of-the-art technology in public locations and can dispense cash and **printed receipts**. From the customer's perspective, the most convenient technology is the one that best matches...to overcome these problems. By setting up frequent shopper programs and linking customer profiles to **UPC** scanner data, retailers can track the shopping patterns, sales volume, and profitability of their patrons...
...enter the store and swipe their frequent shopper cards through a reader, a computer can **print** out customized shopping **lists** complete with recipes, coupons, and suggestions for replenishment purchases. In-store kiosks and electronic displays...for electronic shopping," "Internet retailers should compete on variety and price," "Customers will not buy **perishable** products electronically," "Virtual shopping is less entertaining than physical shopping," "Customers must search for information..."

11/3,K/6 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01187887 98-37282

Inventors are reinventing themselves

Bylinsky, Gene

Fortune v133n5 PP: 78A-78J Mar 18, 1996

ISSN: 0015-8259 JRNL CODE: FOR

WORD COUNT: 2856

...ABSTRACT: to see things differently from tunnel-eyed specialists welded to specific professions. The depth and **freshness** of the best inventors' thinking is illustrated by the approach Dean Kamen applied to the...

...TEXT: in royalties from more than 250 U.S. and foreign companies on products ranging from **bar - code** readers to the tape-playing mechanism in Sony's Walkman.

Not in that league but...not bothered by the fact that something hasn't been tried before.

The depth and **freshness** of the best inventors' thinking is illustrated by the approach Dean Kamen applied to the...568-5561). Inventure Place is seeking money to speed the compilation of a print and **electronic** directory that will **list** inventors by industry.

A number of private research institutes and consulting firms provide contacts with...

11/3,K/7 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01011617 96-61010

Label it or lose it

Leek, Matthew R
CD-ROM Professional v8n4 PP: 91-98 Apr 1995
ISSN: 1049-0833 JRNL CODE: LDP
WORD COUNT: 2312

ABSTRACT: CD-Recordable (CD-R) discs - whatever their purpose or projected **shelf - life** - are lost without labels. With the recent proliferation of CD recorders, there has evolved a...

...TEXT: fly-by-nights to silkscreened professional prototypes, CD-R discs-whatever their purpose or projected **shelf - life** -- are lost without labels. With the recent proliferation of CD recorders, there has evolved a...doing prototype CDs."

Last fall, Microboards debuted the Print Write, a bubble-jet CD-R **printer** that **lists** for \$4000 and targets a similar market segment sought by Trace's CD-R printer...label floppy disks. The Rimage Thermal Transfer Printer features a label editor designed to add **barcodes** and serial numbers to the disc. The standalone **printer lists** for \$5000, with an inline version, capable of interfacing to the Kodak Disc Transporter, available...

11/3,K/8 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00950780 96-00173
Computer Reseller News: Roundup of recent testing
Anonymous
Computer Reseller News n608 PP: 106-134 Dec 5, 1994
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 17086

...TEXT: The documentation and product packaging included both full English and German text, allowing the same **SKU** to be sold in ...Enterprise System 3.0.

This product was very easy to use, however, some features (like **bar code** reading) were not tested due to constraints of the test environment. It offers many tools...

...certain fields, access customer specific prices and credit and look at invoice data.

Although a **bar - code** reader was not used, reader results were posted in addition to the information it retrieved. The software read the **bar code** and then matched the item to the department, its appropriate price and indicated what type...

...is private information. That strategy has served the company well.

RECOMMENDED

XEROX

4900 Color Laser **Printer**

LIST PRICE: \$8,495

STATUS: Shipping

JMB

Date: 14-Nov-05

Although it carries a steep list price, Xerox Corp.'s...the user-name, address, etc. Also requested was a valid credit-card account number and **expiration date**. Internet in a Box uses this information to bill Internet-provider charges directly to the...

11/3,K/9 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00892938 95-42330

A directory of software publishers

Anonymous

Metal Center News v34n8 PP: 48-55 Jul 1994

ISSN: 0539-4511 JRNL CODE: MCW

WORD COUNT: 5921

...TEXT: accurately measures material from 1/4 in. to plus-32 ft. long; utilizes a proprietary **bar - code** label; and provides on-line reporting of work-in-process, plus other reports including packing...

...to all major public networks (VANs) and most direct connections. DataMail can be interfaced with **bar code** scanners and most software applications. Data is entered through an applications interface or through input...

...of the inventory database, store and retrieve decisions, forward picking with auto-replenish, lot and **shelf - life** tracking, individual load tracking, receipt validation, host interfaces, numerous reports, transaction logging, and more. The...entering a quote/order line item, fax quotes and requests for bids, remnant/drop control, **bar code** integration, and test report document imaging.

Computer Aided Technologies 1198 Pacific Coast Highway Ste. D202...to orders, purchasing with RFQ's and vendor sourcing, receiving, shipping, inside and outside processing, **bar - coded** inventory and shipping tags, receivables, payables, general ledger, and comprehensive reporting for all areas. The...

...multi-user and windowing support, inventory-material-requirements projection system, work-in-process order tracking, **bar - code** system and electronic data interchange, material certification and heat tracking, automatic price-matrix system, prospecting...available are options such as expanded scheduling, external material tracking, serial number tracking, product configurator, **bar coded** materials, and labor tracking.

Magestic System Inc. P.O. Box 468 Tappan, N.Y. 10983...stand-alone systems for tracking coil-distribution and-processing functions, including sales and purchase orders, **bar - coded** tagging, production-order preparation, production scheduling, and certification and shipping assistance. Additionally, the new Steel...

...entry and raw material purchasing, through receiving and slitting, to packing and shipping; a unique **bar code** label tracking system gives real-time control over every phase of production. Employing hand-held...

...set of computer screens containing all pertinent coil, process, and customer information. All necessary process **bar codes** are automatically printed by the system as the coil moves through the facility. Once an...

formats (ANSI X12 and EDIFACT). Data may be entered via user-customized entry screens, or **printed** with user-customized **reports**. An external interface allows STX to front-end any other application program. Software supports multiple...

11/3,K/10 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00882329 95-31721

1994 Software Guide: A new look

Anonymous

Direct Marketing v57n2 PP: 52-63 Jun 1994

ISSN: 0012-3188 JRNL CODE: DIM

WORD COUNT: 6826

...TEXT: fulfillment, customer service, purchasing, inventory management, mail list management, credit card processing, AR, AP, GL, **bar code** and electronic credit card support modules available. Customer support: tech support via on-line access...upper/ lower case, presorts first-, second- and third-class files and prints labels. Prints postal **bar codes**. Customer support: Maint. fee \$125 per yr.; 90-day free phone support Site licensing available...

...totals.. The customer has a default credit card type with name-on-card, card# and **expiration date** fields. Customer selection is a new option used to cull a mailing list to identify...Mailing list management program designed to reduce mailing costs. Implements ZIP+4 Codes and corresponding **barcodes** with first and third Class Presorting. Also Carrier Route Presort. Unlimited files and records; locate...
...free-form text in notepads. Will search and sort by any account or contact field. **Prints lists** of labels, letters or envelopes. Maximizer will mail-merge with documents from this internal word...

...fields and default entries. OmniMailer signals duplicate entries on input, or user can search and **print duplicate listings**.

Operating Environment(s):

MACINTOSH

Memory Requirements: 512 KB.

List Price: USA \$84.95

PACE Mailing...

...prints all customers to call within the time period specified. Also has the ability to **print** customer **lists** and mailing labels. Network version available.

Operating Environment(s):

PCIMS-DOS

List Price: USA \$35...rate possible. Takes care of sorting, qualifies mailing pieces into appropriate mail category and prints **bar codes** on labels or on mail pieces. Checks all ZIP Codes and states in database and ...

...discounted bulk mail or first class presort rates. Offers features such as field splitting, genderization, **barcode** printing abilities, mail merge, processes postage discounts and various postal forms.

Operating Environment(s):

PC...user to choose first- and third-class mailings with 3/5 digit, ZIP+4 and **bar code** sorting. Provides merge/purge duplicate detection and automatic city-state insertion. Compiles all information necessary...

...Mailing list management program designed to reduce mailing costs. Implements ZIP+4 Codes and corresponding **barcodes** with first- and third-class presorting. Also Carrier Route Presort. Unlimited files and records; locate...

11/3,K/11 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00116586 19991005278B1202 (USE FORMAT 7 FOR FULLTEXT)
PinPoint Brings Web Capabilities to Local Positioning System Technology
Business Wire
Tuesday, October 5, 1999 09:20 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,250

...Tracker

Comprehensive historical reporting can be accomplished with Tracker. The end-user can design and **print** their own **reports** based upon pertinent factors such as resource usage, time interval, resource type, and other criteria...

...OMI

OMI is a leading provider of Supply Chain Inventory Visibility systems for the food, **perishables**, general merchandise and drug industries. OMI's systems integrate enterprise-wide purchasing, advanced Radio Frequency...
...employed by global positioning system (GPS), wireless local area networks (LANs) and radio frequency identification (**RFID**), and is targeted at applications requiring a high degree of tracking accuracy such as yard...

11/3,K/12 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2005 Financial Times Ltd. All rts. reserv.

0008030802 BOFAYEUAESFT
UK Company News: Overseas growth lifts Domino
JAMES WHITTINGTON
Financial Times, P 22
Wednesday, January 25, 1995
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 471

TEXT:

...growth in American and Asian sales helped Domino Printing Sciences, the Cambridge-based ink-jet **printer** manufacturer, to **report** record full-year figures.

Profits before tax for the year to October 31 rose by...

...sluggish. Previously, growth had been driven by new legislation requiring products to be marked with **sell -by dates** and **bar codes**. But slow economic growth and increasing competition, especially from Videojet, caused a 4 per cent...

11/3,K/13 (Item 2 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2005 Financial Times Ltd. All rts. reserv.

0007534866 BOEAZDAAEWFT

UK Company News: Domino Printing 24% lower at Pounds 9.1m - Growth expected to return this year, with first quarter well ahead

ALAN CANE

Financial Times, P 25

Wednesday, January 26, 1994

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 449

TEXT:

...Domino Printing Sciences rose 47p to 488p yesterday despite the Cambridge-based continuous ink jet **printer** manufacturer **reporting** full-year figures shy of expectations.

Mr Roger Dye, finance director, said he believed the...

...years has been driven by UK and European legislation requiring products to be marked with **sell -by dates** and **bar codes**..

Continuous ink jet machines are expensive, however, and sales were badly hit by recession, especially...

11/3,K/14 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1454024

DCTU042

GE Information Services Introduces GE Desktop ASN(TM), A Comprehensive Advanced Ship Notice Solution

DATE: April 13, 1999

12:01 EDT

WORD COUNT: 502

... vendors who need to comply with their customers' ASN and invoicing requirements. Desktop ASN incorporates **bar code** scanning, printing of serialized **bar code** labels and Electronic Data Interchange (EDI). Together, these technologies automatically generate ASN and invoice documents...

...label creation

Automatic generation of the electronic ASN

Automatic generation of the electronic invoice

Serialized **bar - code** label printing

Support of a variety of printers (Monarch, Zebra, laser printers)
Print -outs of pick **lists** , pack lists and bills of lading

Tracking of product lot numbers and **expiration date**

Automatic creation of back orders for partial shipments

GE Desktop ASN software and trading partner...

11/3,K/15 (Item 2 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1140051 CLTH022
Create a Boboli Masterpiece and Win a Trip to Florence, Italy in The Art Of Boboli Contest!

DATE: August 14, 1997 11:54 EDT WORD COUNT: 605

...it or securely attached. Do not send the
actual original artwork, as it will contain **perishables** or
foodstuffs.

On a separate piece of paper, type or **print** legibly a complete
list of
all ingredients used in creating your artwork, artwork title and
entrant's name. All...

...and up, kids 17
and under) or will be disqualified.
Include proof of product purchase (**UPC** symbol from any Boboli
Italian
Pizza Crust and the original, dated cash register receipt with...

...a coupon good for one free Boboli
Italian Pizza Crust. Include one proof of purchase (**UPC** symbol)
and
dated cash register receipt with purchase price circled.
Mail to Art of Boboli...

11/3,K/16 (Item 3 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1020181 ATM016
American Software Extends Supply Chain with Introduction of Advanced Managed Warehouse System

DATE: November 11, 1996 11:47 EST WORD COUNT: 864

...your system according
to your warehouse size, level of automation and workforce characteristics.

Integration with **bar code** and RF technologies allow WarehouseP&RO
to
receive and locate products in real time. This...

...WarehouseP&RO also supports major managed warehouse categorizations, including LIFO, FIFO, lot control, serial control, **expiration**

date, country of origin, etc. Alternate units of measure (eaches, boxes, pallets) are supported for shipping...

...product for end users to customize standard reports or create new reports. WarehouseP&RO also **prints** pick **lists**, receiving labels, shipping labels and other warehouse documents.

American Software offers extensive implementation, workflow review...

11/3,K/17 (Item 4 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0121560 DE018
**GATEWAY TICKETING SYSTEM USING AT&T COMPUTERS UNVEILED; CUSTOMER DEMO UNIT
IN DETROIT FROM 10 A.M. TO 2 P.M. ON WEDNESDAY**

DATE: November 15, 1988 13:04 E.T. WORD COUNT: 862

...coast to coast on a single ticket. The electronic wand -- which is similar to a **bar code** reader -- will be used by Greyhound ticket agents to scan ticket information, baggage checks, and...

...cities.

-- Provides for mixing ticket types (senior citizen, military, etc.)

-- Prints routes on tickets.

-- Prints **bar code** and ticket number on tickets.

-- Allows 53 passengers to travel on a single ticket.

-- Prints Ameripass tickets with customer name on each coupon, along with **expiration date**.

-- Allows for multiple forms of payment for the same transaction.

-- Maintains schedule-specific pricing.

-- Computes...

...without keying in credit card number.

-- Transmits electronic messages between all Gateway cities.

-- Ties to **bar code** scanner to ensure passenger and baggage travel the same schedule.

Future package express services

-- Prints...

...at the end of each shift,

replacing the old method of reading adding machine tape.

-- **Prints** detailed shift **report** at cash-out.

-- Provides for cash drops within a shift, i.e., computer message tells...

Set	Items	Description
S1	50367	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	22952	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	429629	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	784408	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	52932	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	20614	INVENTORY(1N)CONTROL
S7	2044891	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S8	1355	S1 AND S5
S9	31	S8 AND S2
S10	18	S9 NOT PY>1999
S11	17	RD (unique items)
S12	2620	S7(S)S6
S13	8	S12(S)S1
S14	18	S12(4S)S1
S15	18	RD (unique items)
S16	9	S15 NOT PY>1999
S17	9	S16 NOT S11
File 15:	ABI/Inform(R) 1971-2005/Nov 14 (c) 2005 ProQuest Info&Learning	
File 610:	Business Wire 1999-2005/Nov 14 (c) 2005 Business Wire.	
File 810:	Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire	
File 476:	Financial Times Fulltext 1982-2005/Nov 15 (c) 2005 Financial Times Ltd	
File 613:	PR Newswire 1999-2005/Nov 14 (c) 2005 PR Newswire Association Inc	
File 813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc	
File 634:	San Jose Mercury Jun 1985-2005/Nov 12 (c) 2005 San Jose Mercury News	
File 624:	McGraw-Hill Publications 1985-2005/Nov 14 (c) 2005 McGraw-Hill Co. Inc	

17/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02636377 404919341
Y2K: Legal Implications and Future Repercussions
Prentice, Robert A
Information Systems Frontiers v1n2 PP: 141-153 Aug 1999
ISSN: 1387-3326 JRNL CODE: INSF

...ABSTRACT: will be occasioned by the Millennium Bug will land. Seemingly minor glitches, such as a **computerized inventory control** system's wrongfully rejecting an order of chemicals as expired since 1900 (when the real **expiration date** is in the year 2000) can create a myriad of lawsuits among manufacturers, suppliers, customers...

17/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01842959 04-93950
E-tailing enhances Furr's personal touch
Anonymous
Chain Store Age v75n6 PP: 14A-15A Jun 1999
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 723

...TEXT: to distinguish ourselves from our competitors."

Furr's is distinguishing itself by offering groceries, including **perishables**, at the same prices a customer sees in the store, for home or office delivery...

...productgenerally within 36 hours of authorization. Once products are selected, the order file is submitted **electronically** to the physical POS system. This is a requirement because Furr's does not want to upset its existing **inventory control** and accounting systems.

Since on-line orders are integrated to take place as if from...

17/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01699053 03-50043
Produce producers picking SmartFruit's high-tech appeal
Guyette, James E
Automatic I.D. News v14n10 PP: 10 Sep 1998
ISSN: 0890-9768 JRNL CODE: AIN
WORD COUNT: 696

...TEXT: of individual boxes and hundreds of millions of individual pallets used in shipping and receiving **perishable** agricultural products worldwide.

Fruit and vegetable growers now are able to "know where it is...

...to every client's boxes, pallets, containers and trucks.

The system provides news, information and **database** products for labeling, bar coding, **inventory control**, sales, marketing, logistics, research and **electronic** commerce.

The system consists of three modules: SmartFruit Tracking and Logistics, SmartFruit Exchange and SmartFruit...

17/3,K/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01606896 02-57885
The year-2000 problem and the asset-based lender
Bieber, Karen Ruth; Jenkins, Gerald L
Secured Lender v54n2 PP: 12-14+ Mar/Apr 1998
ISSN: 0888-255X JRNL CODE: SCL
WORD COUNT: 1928

...TEXT: differentiate 20th-century dates from 21stcentury dates. This problem resulted in canned beef with an **expiration date** of mm/yy/00 being destroyed because the computer thought it was 97 years-old...

...won't work; inventory-control and parts-ordering systems fail to operate or operate inaccurately; **Electronic** Data Interchange (EDI) systems with customers and vendors break down. And the air-conditioning system...

17/3,K/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00668740 93-17961
Trends in retailing for the nineties
Antonini, Joseph E
Executive Speeches v7n3 PP: 25-27 Dec 1992/Jan 1993
ISSN: 0888-4110 JRNL CODE: EXS
WORD COUNT: 1938

...TEXT: has meant recognizing that the price; quality tradeoff for the 90s consumer means a longer **shelf life** than it did in the trendy 80s. In fact, we believe that quality, durability and...

...card provider.

I am thinking of technology which transforms daily sales information into a valuable **database** of customers which can be segmented and targeted for marketing purposes. I am thinking of...

...point-of-sale scanning and satellite system which has increased distribution efficiencies, improved customer service, **inventory control**, and cash flow.
In the decade ahead, no retailer can succeed--perhaps even survive--without ...

17/3,K/6 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00632218 92-47158

Evaluating the Performance of the Japanese Distribution System

Goldman, Arie

Journal of Retailing v68n1 PP: 11-39 Spring 1992

ISSN: 0022-4359 JRNL CODE: JRL

WORD COUNT: 9498

...TEXT: distribution system is undergoing an "information revolution" involving point of sale systems (P.O.S.), **electronic** ordering systems (E.O.S.), and value added networks NAN) (DCC 1989; MITI 1989b; Ogawa...

...serve their distribution partners and consolidate their channel position. These systems are widely used for **inventory control**, automatic ordering, and assortment monitoring. The rapid diffusion of these systems is bringing major changes...

...of the thousands of items in each of its 4,000 stores, optimizing inventory and **freshness**. The government is making special efforts to accelerate diffusion of these systems to smaller retailers...

17/3,K/7 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00594803 92-09976

Money in the Bank

Lockwood, Russ

Restaurant Business v91n2 PP: 66-70 Jan 20, 1992

ISSN: 0097-8043 JRNL CODE: RTB

WORD COUNT: 2062

...ABSTRACT: them run their business on a cost-control system designed to make them more money. **Computerized inventory control** is the key: it offers food cost analysis, guards against overordering, and tells what is ...

...want and can afford and add modules whenever they are ready. At the simplest level, **inventory control** programs give a precise count of what is in storage. As the program is used, restaurateurs will find the need for less stock on the shelves, meaning less spoilage with **perishables** and less cash outlay for stocking shelves. ...

...TEXT: 10-unit chain based in Santa Rosa, CA, found such savings. After instituting a computerized **inventory control** system at the headquarters commissary, he was able to pare food and liquor inventories by...

17/3,K/8 (Item 1 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00100524 19990907250B1572 (USE FORMAT 7 FOR FULLTEXT)

ShopLink Invests \$25 Million in Information Technology for National Expansion

Business Wire

Tuesday, September 7, 1999 15:32 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 807

...consumers to
substitute out-of-stock items online.

ShopLink will continue to provide gourmet quality **perishables**, non-**perishables** and time-saving services via unattended delivery to each new market. In order for ShopLink to expand successfully, superior **inventory control** and warehouse management operations are critical. By **electronically** linking its Web site and warehouse systems, ShopLink will have the industry's preeminent order...

17/3,K/9 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00194656 19991014NYTH081 (USE FORMAT 7 FOR FULLTEXT)
Internet Solution to Help Reduce Nation's Blood Shortage
PR Newswire
Thursday, October 14, 1999 12:16 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 805

...Data Resource Center. One factor in the
shortfall is unnecessary waste due to the limited **shelf life** of blood
and
blood products.

SafeTraceTx.com addresses this problem through its sophisticated,
coordinated inventory...

...basis, more than meeting the existing and
growing demand for blood.

SafeTraceTx.com's sophisticated **inventory control** system maximizes
the
dwindling blood supply by creating a centralized **database** of blood
inventory
and patient information history. It allows hospitals and blood centers to
share...

Set	Items	Description
S1	162894	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	66332	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	1225848	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	1735566	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	177939	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	6560131	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S7	54083	INVENTORY(1N)CONTROL
S8	7113	S7(S)S6
S9	50	S8(4S)S1
S10	0	S9 AND S2
S11	38	S9 NOT PY>1999
S12	36	RD (unique items)
S13	14	S12 AND S5
File	9:Business & Industry(R)	Jul/1994-2005/Nov 11 (c) 2005 The Gale Group
File	275:Gale Group Computer DB(TM)	1983-2005/Nov 11 (c) 2005 The Gale Group
File	621:Gale Group New Prod. Annou. (R)	1985-2005/Nov 14 (c) 2005 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2005/Nov 14 (c) 2005 The Gale Group
File	16:Gale Group PROMT(R)	1990-2005/Nov 14 (c) 2005 The Gale Group
File	160:Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2005/Nov 14 (c) 2005 The Gale Group

considered 11/28/05 ggt

13/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2005 The Gale Group. All rts. reserv.

02041155 Supplier Number: 25516198 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Chicago Meat Authority Adds Value to Food Service
(Chicago Meat Authority, producer of valued-added meat products, is
conducting three-phase, \$3 million expansion and renovation that will
boost plant capacity to 1.4 mil lbs/week by end of first-quarter 2000)
Food Engineering, p 27+
December 1999
DOCUMENT TYPE: Journal; Company Overview ISSN: 0193-323X (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1277

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...days," says Operations Director Peter J. Bozzo. Maintaining colder temperatures throughout the process extends product **shelf life**, he adds.

On the dock, one worker scans the supplier's **bar - code** label for packer process date, attaches a yellow tag indicating date processed plus a red... number and a serial number to the bin for traceability and first-in/first-out **inventory control**. Meanwhile, an orange-helmeted quality-control technician probes the meat with a thermometer, records product...

...trailer temperature are then entered into the data collection system, which prints out a new **bar code** label. The combo is labeled and moved into the holding cooler, where temperature is **computer - controlled** at 280 degrees F.

photo omitted

Combos selected for processing are scanned into the process...

...marination (where specified), primary and secondary packaging integrity, piece count and package weight. Cartons are **bar - coded** for traceability with product code, pack date, weight and (if private-label) customer reorder code...

13/3,K/2 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

03917010 Supplier Number: 50135810 (USE FORMAT 7 FOR FULLTEXT)
-U.S. AIR FORCE: 33rd Fighter Wing tests new mobility process
M2 Presswire, pN/A
July 7, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 760

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...a new mobility program at the Eglin Deployment Control Center June 15-19. The Mobility **Inventory Control** and Accountability System

introduces automated information technology, better known as bar coding, into the mobility...

...Air Force wide. Under the new program, mobility assets are inventoried and tracked using a **bar code** system. Currently assets are inventoried and manually entered into a computer. When the people who...

...Jenkins. With MICAS, mobility equipment technicians will use a hand-held computer to scan a **bar code** label attached to a deploying individual's shot records. "MICAS can also be adapted to scan the top **bar code** identification strip on the new identification card," said Staff Sgt. Kerry Gietzel, noncommissioned officer-in...

...items issued to the deploying individual, information such as nomenclature, stock numbers, lot numbers and **expiration dates** are automatically attached to that person," said Jenkins. The information is then downloaded into the main MICAS **computer system**. MICAS will be able to track inventories, issues and returns all with a simple scan...

...Asia. Instead of each individual filling out a hand receipt, mobility people simply scanned the **bar code** on each person's shot records and then scanned the **bar codes** on the equipment they were issued. "The new system cuts down on manpower hours tremendously..."

...numerous advantages the system offers. The most important benefit is increased accuracy, said Acevedo. The **bar code** system virtually eliminates things like typographical errors and lost hand receipts allowing the Air Force...

13/3,K/3 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02892025 Supplier Number: 45876335 (USE FORMAT 7 FOR FULLTEXT)

RESEARCH REPORTS: Design and implementation of an online, bar code -based chemical inventory and tracking system

Canadian Occupational Health & Safety News, v18, n42, pN/A

Oct 23, 1995

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 377

RESEARCH REPORTS: Design and implementation of an online, bar code -based chemical inventory and tracking system

... most notably the Occupational Safety and Health Administration's Hazard Communication and Laboratory standards. Ideally, **computer - based** inventory and tracking software should be capable of rapidly identifying materials, storage locations, users, number...

...a Digital VAX 6210 minicomputer. The system is user-friendly and employs the use of **bar code** technology to track chemical substances. The system was jointly designed by a software development committee composed of personnel from the laboratory and administrative sectors. Chemical containers entering the facility are **bar coded** with chemically resistant, colour-coded, sequentially numbered labels that are affixed to the container by...

...department personnel before delivery to the work area. End-users may query the master inventory **database** and obtain specific information on

chemical name and storage location, chemical abstract number, chemical hazard information, manufacturer, **expiration date** and date of disposal. The system also allows occupational health and safety professionals to develop...

...strategies. Advantages of developing an inhouse inventory and tracking system include: 1) regulatory compliance, 2) **inventory control** and 3) hazardous waste minimization. Most important, a user-designed **database** approach significantly increases user acceptance and participation in the **inventory control** and hazard communication programs. The system is successful owing to the consensus nature of the...

13/3,K/4 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

05816746 Supplier Number: 50323378 (USE FORMAT 7 FOR FULLTEXT)
Produce producers picking SmartFruit's high-tech appeal
Guyette, James E.
Automatic I.D. News, p10
Sept, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 698

... of individual boxes and hundreds of millions of individual pallets used in shipping and receiving **perishable** agricultural products worldwide.

Fruit and vegetable growers now are able to 'know where it is...

...safety problem' because the fruits and vegetables are identified and tracked through a half-cent **bar code** label generated and printed over the Internet and attached to every client's boxes, pallets, containers and trucks.

The system provides news, information and **database** products for labeling, bar coding, **inventory control**, sales, marketing, logistics, research and **electronic** commerce.

The system consists of three modules: SmartFruit Tracking and Logistics, SmartFruit Exchange and SmartFruit...

...point. This is accomplished by the use of a special label which contains a unique **bar code** for each individual case ('SmartBox') or pallet. This **bar code** then can be scanned anywhere between the shipping source and the receiving destination to add...

13/3,K/5 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

03776374 Supplier Number: 45370111 (USE FORMAT 7 FOR FULLTEXT)
KEEPING TABS ON INVENTORY AND MATERIALS FLOW: SIMON GRINDROD, EXECUTIVE DIRECTOR OF LIS, OUTLINES THE BENEFITS FOR PHARMACEUTICAL COMPANIES OF COMPUTERISED MATE
Pharmaceutical Manufacturing Review, p21
March, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1286

... turnkey' systems,, they comprise standard and customised software, computer hardware and workplace technology sucha as **barcode** scanners and radio frequency and portable data terminals.

TURNKEY SYSTEMS

LIS, through its LEXLOGIS-TIX...

...support a wide range of alternative stock selection algorithms, from first in, first out, to **shelf life** and expiry date processing. Advanced systems can also coordinate picking from bulk storage or dedicted...

...customer or delievy load within zone, for immediate marshalling or subsequent sorting. In many cases, **barcode** technology is used to facitate tracking of picked product by despatch outer - possibly a tote...

...and communicated to the host computer in real time. The use of RDTs complete with **barcode** scanners, together with the online capability of RFDC, has brought the error reduction potential of the **computer system** into the working environment. This advance in technology is nowadays central to the provision of timely, accurate data essential to **inventory control** in the manufacturing environment.

The installation of a comprehensive inventory management system with its associated...

13/3,K/6 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

03301176 Supplier Number: 44557781

Organizacion Soriana - Company Report

Investext, p1-4

March 31, 1994

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...to emphasize its supermarket format and derives over 66% of its sales from groceries and **perishables**. The remainder comes from sales of general merchandise (18%) and clothing (15%). After considerable investment in 1992 and 1993, all of Soriana's units are now equipped with **electronic bar code** scanners, as well as an **inventory control** system. Beginning in 1993, the company embarked on an aggressive expansion program. As a result ...

13/3,K/7 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

01813633 Supplier Number: 42287390 (USE FORMAT 7 FOR FULLTEXT)

New Bar Code for Meat Is Getting Final Touches

Supermarket News, p39

August 12, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 481

(USE FORMAT 7 FOR FULLTEXT)

New Bar Code for Meat Is Getting Final Touches

TEXT:

WASHINGTON -- Final drafts of a new international **bar code** aimed at improving the flow of meat through commercial distribution channels should be released for...

... distribution tracking methods for meat. The task force completed its work in June, with the **bar code** as its key recommendation.

Although many individual manufacturers have been using bar coding systems developed...

...member Mark Vignieri, M.I.S. director, Kenosha Beef International, Kenosha, Wis.

Vignieri said the **bar code** will help users to inventory shipments and stock more quickly, and will improve the process...

...information typically scattered on a meat container, extensive information will be contained in the single **bar code**. That information can then be gathered in a single scan. "Just zap it with your scan gun and you get a report," Knudsen said.

The **bar codes** have been designed to contain key information about the contents of meat containers. The standardized...

...once they arrive at warehouses, Knudsen said.

The code will also include dating information for **freshness** and to identify when the product was made. It will also contain a serial number for **computerized inventory control**, according to the final report of the task force.

For many who elect to take...

13/3,K/8 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

01423071 Supplier Number: 41701168 (USE FORMAT 7 FOR FULLTEXT)

BAR CODING: Vendors face an age of efficiency

American Automatic Merchandiser, v0, n0, p23

Dec, 1990

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal; Trade

Word Count: 427

ABSTRACT:

...on the subject discussed the many diverse applications that barcoding offers during a session entitled, "**Bar Code** Scanners: Wave of the Future."

Moderated by Mark Dlugoss, editor of Automatic Merchandiser, the panel...

... on the subject discussed the many diverse applications that barcoding offers during a session entitled, "**Bar Code** Scanners: Wave of the Future."

Moderated by Mark Dlugoss, editor of Automatic Merchandiser, the panel ...

...on to explain the positives and negatives of contact scanners and non-contact scanners. Often, **bar codes** on certain products are hard to read or have been damaged. In these situations, non...

...can be accessed. This leads to increased productivity in all areas.

All route deliveries are **computerized**. A warehouse management system has been set up to track everything going in and coming...

...This allows employees more time to spend tracking discrepancies instead of wasting it on warehouse **inventory**.

Increased control

Berent cites that through implementing **bar code** technology, his operation hopes to achieve increased control and improved productivity.

One idea Berent focused...

...the tracking of sales. By bar coding sandwich labels, information regarding location, historical information and **expiration dates** can all be gathered.

Whitt interjected that a hand-held scanner can even be programmed...

13/3,K/9 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01014262

APPLICATIONS: European Retail Food Chains Eye IBM Systems.
MIS Week April 11, 1984 p. 32,331

W Europe: Food retail chains are taking a strong interest in the IBM PC, **electronic** funds transfer, and other new data processing communication systems to improve operational efficiency. A strategy-oriented approach to **electronic** checkout scanning is leading to the implementation of integrated scanning systems as a front-line...

... 12,000 items based on 14 parameters with the stores also using the micros for **inventory control** and to help plan shelf allocations and display. Supermarket stores are beginning to test the...

... hooking up weight scales to nearly all of their newly bought scanning systems to label **perishables** with **bar codes**. The weight scales and scanners have helped bring down inventory cost by 16.5 percent...

... US sources. However, West European chains may be ahead of the US in implementation of **electronic** funds transfer systems at the point of sale. Use of special debit cards at terminals...

13/3,K/10 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

11660409 SUPPLIER NUMBER: 58458490 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Chicago Meat Authority Adds Value To Food Service.
Morris, Charles E.
Food Engineering, 71, 12, 27
Dec, 1999
ISSN: 0193-323X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1431 LINE COUNT: 00121

... process extends product shelf life, he adds.

On the dock, one worker scans the suppliers **bar - code** label for packer process date, attaches a yellow tag indicating date processed plus a red...

...trailer temperature are then entered into the data collection system, which prints out a new **bar code** label. The combo is labeled and moved into the holding cooler, where temperature is **computer - controlled** at

280 (degrees) F.

Combos selected for processing are scanned into the process zone as

...

...marination (where specified), primary and secondary packaging integrity, piece count and package weight. Cartons are **bar - coded** for trace-ability with product code, pack date, weight and (if private-label) customer reorder...

13/3,K/11 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

10284383 SUPPLIER NUMBER: 20805134 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Brewer/distributor panel discussion, Craft Brewers Conference. (Panel Discussion)

Modern Brewery Age, v49, n20, p1(4)

May 18, 1998

DOCUMENT TYPE: Panel Discussion ISSN: 0026-7538 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 5939 LINE COUNT: 00417

... getting very blunt about it. They are telling me "We can add another six SKUs (**stock keeping units**) of Sierra Nevada Pale Ale and make a lot more money than we can with...the dating, do you think six months on a date is self defeating for a **freshness** date?

McGinnis: For us it comes down to a technical issue. We sterile filter our...

13/3,K/12 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

06180781 SUPPLIER NUMBER: 12986389 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Carousels, controls, computers raise productivity 300%. (ITT Defense Inc. Avionics Div.)

Modern Materials Handling, v47, n13, p82(3)

Nov, 1992

ISSN: 0026-8038 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1430 LINE COUNT: 00119

... bins. Almost 500 feet of power roller, belt, and gravity conveyors, coupled with two stationary **bar code** readers, automatically move materials among six operator workstations.

Each workstation features a ball transfer table to ease the handling of totes, a flexible format label printer, a laser scanner, a **bar code** reader, and a terminal that displays work instructions via text and graphics.

Real time control...

...begins when a tote arrives at a conveyor workstation. The operator scans the tote's **bar code**, and the ECCS displays the identity of the tote as well as instructions for the...

...type and size requested by the operator. At the stocking workstation, the operator scans the **bar code** to confirm that the lot has arrived at the "putaway" location, prompting the system to...

...assigned tote for delivery to that workstation.

When the tote arrives, the operator scans its **bar code**, and the system displays the stocking instructions, including a visual display that highlights the cells...

...the kit picks are delivered to the area, an operator scans each item's unique **bar code** label to identify the material. The system acknowledges this material as consolidated, and directs the...of materials to stationary operators, and easily accessed reports on such subjects as operator efficiency, **shelf life** and statistical process control have increased supervisory control over personnel, materials, and process.

In sum....

...It selected flat-bottom totes, suitable for conveyor transport, with a smooth side surface for **bar code** label attachment and a "bumper" for the physical robotic interfacing.

Internal tote packaging divides the...

13/3,K/13 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

05425136 SUPPLIER NUMBER: 11129320 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New bar code for meat is getting final touches. (Perishables)
Kramer, Louise
Supermarket News, v41, n33, p39(1)
August 12, 1991
ISSN: 0039-5803 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 503 LINE COUNT: 00039

New bar code for meat is getting final touches. (Perishables)

TEXT:

WASHINGTON -- Final drafts of a new international **bar code** aimed at improving the flow of meat through commercial distribution channels should be released for...

... distribution tracking methods for meat. The task force completed its work in June, with the **bar code** as its key recommendation.

Although many individual manufacturers have been using bar coding systems developed...

...member Mark Vignieri, M.I.S. director, Kenosha Beef International, Kenosha, Wis.

Vignieri said the **bar code** will help users to inventory shipments and stock more quickly, and will improve the process...

...information typically scattered on a meat container, extensive information will be contained in the single **bar code**. That information can then be gathered in a single scan. "Just zap it with your scan gun and you get a report," Knudsen said.

The **bar codes** have been designed to contain key information about the contents of meat containers. The standardized...

...identify when the product was made. It will also contain a serial number for computerized **inventory control**, according to the final report of the task force.

For many who elect to take...

...DESCRIPTORS: **Bar codes** --

13/3,K/14 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

03120213 SUPPLIER NUMBER: 04720242 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AS-RS plugs into automated systems. (automated storage and retrieval systems)

Goosman, Robert J.

Production Engineering, v34, p34(5)

Feb, 1987

ISSN: 0146-1737

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2576

LINE COUNT: 00211

... carousel AS/RS in which each tier is independently controlled. A double extractor-inserter reads **bar - coded** labels at each storage location and communicates their status to the integrated computer system. Each...

...each compartment has a plastic pocket designed to accept parts of different sizes. A permanent **bar code** is assigned to the tray so the contents can be entered prior to ...controlled within tight parameters.

A manufacturer of large telecommunications panels requires that 26,000 discrete **stock keeping units** (SKUs) be kept in live storage because a typical panel calls for up to 11...

...are stored in a five-tier horizontal carousel. The carriers on each level hold two **bar - coded** totes in wire frames, and each of the totes can be further divided into as...

...space available is brought automatically to the work station. When the operator enters the permanent **bar code** from the carrier, its configuration is displayed instantaneously and the requested loading space is highlighted...of tools--both in the tool crib and on the shop floor. Whether they are **perishable** and not to be returned, or must be returned for sharpening and re-use, all...

Set	Items	Description
S1	162894	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	66332	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	1225848	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	1735566	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	177939	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	6560131	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S7	54083	INVENTORY(1N)CONTROL
S8	7113	S7(S)S6
S9	50	S8(4S)S1
S10	0	S9 AND S2
S11	38	S9 NOT PY>1999
S12	36	RD (unique items)
S13	3185	S1(6S)S5
S14	74	S13 AND S2
S15	61	S14 AND (S3 OR S4)
S16	23	S15 NOT PY>1999
S17	19	RD (unique items)
File	9:Business & Industry(R)	Jul/1994-2005/Nov 11
	(c) 2005 The Gale Group	
File	275:Gale Group Computer DB(TM)	1983-2005/Nov 11
	(c) 2005 The Gale Group	
File	621:Gale Group New Prod. Annou. (R)	1985-2005/Nov 14
	(c) 2005 The Gale Group	
File	636:Gale Group Newsletter DB(TM)	1987-2005/Nov 14
	(c) 2005 The Gale Group	
File	16:Gale Group PROMT(R)	1990-2005/Nov 14
	(c) 2005 The Gale Group	
File	160:Gale Group PROMT(R)	1972-1989
	(c) 1999 The Gale Group	
File	148:Gale Group Trade & Industry DB	1976-2005/Nov 14
	(c) 2005 The Gale Group	

Considered 9/7 11/28/05

17/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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01949749 Supplier Number: 25422901 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Clever containers

(Radio frequency identification (RFID) devices present the possibility of embedding intelligence in inanimate objects; as production volumes rise and prices fall, their usage will increase)

Electronics Times (Online) , p 31

September 06, 1999

DOCUMENT TYPE: Journal; Industry Overview ISSN: 0142-3118 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1087

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Think of **RFID** systems as providers of wireless radio wave links, connecting individual items with an information management...

...frequencies are being explored.

The smart label consists of an antenna and a chip. A **read** /write module is required to transmit a signal to the smart label and receive its...

...reading data and writing new data to memory.

Once the signal has been sent, the **read** /write module instructs the smart label to transmit back its stored data, which is then used to activate a system, authorise a transaction or retrieve an asset profile.

RFID functions as a portable database, independent of any need to access a central server. Its **read** / write capability means new information can be added at any time, and **RFID** tag memory can be deleted and re-written in the same way as a PC...

...capabilities open up a wide range of possibilities for remote identification and tracking of products. **RFID** chips can be securely programmed at the point of origin with unique identification numbers for...

...product to be confirmed.

Manufacturers' codes, batch numbers as well as product information such as **use** -by **dates** and safety information can be carried.

Individual items can be tracked throughout the supply chain and counted in bulk, without physical separation. If that item is sold, an '**electronic receipt**' stamps price/ date/place information which can be used for a variety of purposes - for warranty information, to tell a fridge when a product is past its **sell** -by **date** or to stop 'returns fraud'.

Additional codes can be written to the tag memory as...

...cheaper, GPS satellite positioning systems, some small enough to fit into a wristwatch, can energise **RFID** elements to pinpoint the exact position of a chip anywhere in the world.

The first generation of **RFID** devices were a relatively expensive way of identifying products, people or animals using bulky tags...

...costing from \$10 to \$100 each.

But to realise the true potential of the technology, RFID systems needed to become both small and cheap enough to be regarded as disposable. Already prices are coming down, and the latest low-cost RFID devices can be delivered on small labels and decals at less than \$1 per tag...

...chipless arena include Holotag, NHK Spring, Fuji Electric and Scientific Generics.

But chipless technology is 'read only' and memory capacity is much less than for chip tags. Chip-based products also...

...and not interfere with each others' communications. Typically this means smart label ICs with a 'reader -talks-first' (RTF) protocol.

But once the air interface ISO standard is fully in place...

...ICs will support the same protocol, allowing all manufacturers' tags to be operated by one reader with the same protocol settings. Upgrade paths are already being developed for current adopters.

There...

...possible communication protocols - RTF and 'tag-talks-first' (TTF). TTF was used with the first read-only (RO) transponders, and is still very efficient for RO systems, since communication starts as...

17/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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01597432 Supplier Number: 24308557 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Part 2: Managing Inventory

(Murray's Discount Auto Stores, a 77 outlet chain, has been involved in setting up a 200,000 sq ft distribution center; advantages are revealed)

Automotive Marketing, v 27, n 7, p 56+

July 1998

DOCUMENT TYPE: Journal; Company Overview ISSN: 0193-3264 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1785

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...system," Mann said. So he went to a grocery supply house where he bought a scanner which is still in use. "The company uses it to scan core returns which provides instant credit for the return as it's scanned."

Actually, as...

...automated, rather than trying to implement an entire technological makeover at once.

No Check-In

Scanners also come into play as merchandise is received. They are not used, however, in a...

...The individual putting away the incoming order reads what it is with a

hand-held **scanner** that tells the employee where the product is to be placed.

"These **scanners** show how to get everyone involved with the process of automating a DC," Mann said. "We brought in a number of different style **scanners** and asked the actual workers which worked best for them. It mined out a gun-like **scanner** carded in a holster on the belt was by far the most popular. They enjoyed...

...be the most flexible to use."

The company found another side benefit to these individual **scanners**, too, and again it was one that had not been considered before installing the system...

...when. "This cut coffee breaks way down," he said, adding that some people before the **scanners** were used tended to punch in and then retire to a back room to **read** a paper and drink some coffee. Management was aware of who these people were since their **scanners** didn't register any use for some time after they checked in, so they'd...

...Because of the gentle suggestions, rather than direct orders, the workers didn't resent the **scanners**. "Actually it took a long time for them to associate the **scanners** with the fact management knew they weren't working," Mann said.

Stocking The DC

Once...

...stocked. The team came up with a system of bin shelving, nine levels high. Each **SKU** is assigned a specific fixed space on a bin, known as its "home." The space allocated for each **SKU** is based on the item size and velocity rather than its number.

Hence, all high...

...be smaller than a high-velocity spark plug home. Home areas are marked with a **bar code** for that specific **SKU** at the spot where the home for that **SKU** begins. The home label also contains the vender name, part number, and transfer unit multiple...

...go to overstock first," Mann said, "and then their home since they have a limited **shelf life**." Items in overstock are constantly moved closer and closer to their homes until they are...

...trigger points are when the DC is unable to fill an order with that specific **SKU**. Most trigger points are hit when there is only 60% of the home area full...

...simply follows the computer designed order, indicating each item picked with his or her trusty **scanner** gun. Picked items are bundled off to each store, but no manifest to the order is included. As the clerks at the store **scan** each item while shelving it at the store, the data sent back to the store...

...the order. More paper work is thereby eliminated.

For special order groups, however, Murray's **prints** out a location **report**, showing where each **SKU** home is, once a week. Hence, a picker need not

totally depend on a computer...

17/3,K/3 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01880967 SUPPLIER NUMBER: 17883142 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Going shopping. (Retail)(retail automation)(includes related article on transaction cards) (Industry Trend or Event)
Karve, Anita
LAN Magazine, v11, n1, p117(4)
Jan, 1996
ISSN: 1069-5621 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3900 LINE COUNT: 00308

...ABSTRACT: simplify the process of purchasing and ordering goods. Most grocery stores now have bar-code **scanners**, which provide a faster and more accurate way of totalling up purchases. Many grocery chains...

...past, warehousing was a largely manual process. Now, warehouse workers are typically armed with handheld **scanners** and radio transmission devices, with which they can **scan** and instantly transmit information about items, crates or palettes. Another system helps to streamline the...
... By now, nearly every neighborhood grocery store--no matter how small--is equipped with a **bar - code scanner**. Scanning **UPC bar codes** makes for more accurate and faster tallying of purchase prices than the former method of...

...Retail Support Centers (RSCs), include complexes in San Antonio that contain dry groceries, frozen foods, **perishables** such as meat and milk, and produce; a facility in San Marcos that handles general...

...a Houston-based center that contains dry goods and general merchandise in one building and **perishables** in another; and a facility in Corpus Christi that handles high-volume goods such as...

...the warehouse with the help of Symbol Technologies (Bohemia, NY). Symbol invented the handheld laser **scanner**, and now the company has branched out into portable computing, handheld devices, and spread-spectrum...

...wireless data.

In most cases, store personnel use handheld products from Telxon (Akron, OH) to **scan** shelf tags and enter the amount of a particular product. Each H.E.B. store...

...One network to workers wearing Symbol APS 3395 units. These units consist of a laser **scanner** that attaches to the hand, an RF computer built in to a back brace that...

...product. After the worker scans the bar code on the shelf by pointing the laser **scanner** mounted on ...management and now provides products and services to markets such as retailing, manufacturing, and distribution.

" **Point -of- sale** systems have been used in the grocery business for 20 years and in the nonfood...

...item is en route.

Using Symbol Technologies' LRT 3800 Integrated Laser Radio Terminals, workers can **scan** bar codes on boxes as those packages enter the warehouse and view real-time information...When the whole system is implemented, we'll be able to capture information at the **point of sale** and know what

we have in stock," Gorham says.
Once the new system is in...

...says.

After implementation the system will also be able to capture data directly from the **point of sale**, thereby getting up-to-date inventory levels each time.

"You can't do Just-in...

...comes to implementing EDI and being able to access real-time inventory information.

On the **point -of- sale** side, though, retailers have made it easier and faster to ring up items at a...

...that resembles a telephone handset. As shoppers push their way along the aisles, they simply **scan** the UPC bar code symbols of those products they wish to purchase. The unit keeps...

...item.

When finished, the customer walks to the front of the store and hands the **scanner** to a clerk who takes payment and **prints** a **receipt**. Since there's plenty of room for cheating, random checks on customers are performed in...

...Revenue Service conducts audits.

Another trend at the front end of the store is wireless **point of sale**, which allows a greater amount of flexibility than hard-wired cash registers. The Bay has rolled out wireless **point -of- sale** registers at each of its stores. The registers contain a wireless card from Symbol that ...

...and the holiday season," says The Bay's Mitzel. (For another example of user-friendly **point -of- sale** devices, see "Spotting an Opportunity," page 119.)

WHAT'S IN STORE

As retailers and manufacturers...

...front ends of their businesses and begin implementing systems such as EDI and more efficient **point -of- sale** devices, their ultimate goal should be for manufacturers to replenish an item as it's being purchased, says Symbol's Murrah.

And, because **point -of- sale** information can be sent directly to manufacturers, the manufacturers can step up or slow down...

...inventory and have as little stock on hand as possible," says Murrah. "Manufacturers are trusting **point -of- sale** data, and they are working together with retailers and sharing information a lot better."

This...

...Spot Cards at portable terminals carried around by vendors. These devices also include an external **printer** to provide **receipts**. The units can hold about 1,000 transactions, and at the end of each game...

...DESCRIPTORS: Barcode/Mark **Reader** ;

17/3,K/4 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01544429 SUPPLIER NUMBER: 12912964 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mailing lists are a snap to print with MLPRINT. (Utilities)(includes related articles on obtaining utilities by modem, command reference card, updates to earlier utilities) (Column)

Munro, Jay

PC Magazine, v11, n21, p405(8)

Dec 8, 1992

DOCUMENT TYPE: Column ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4785 LINE COUNT: 00349

ABSTRACT: MLPRINT.COM, a free utility program for **printing** mailing **lists** on HP LaserJet and compatible printers, is described in detail. The program implements not only...

...MLPRINT to build a bar code. The program follows the same rules as post-office **scanners** when interpreting the delivery address. Instructions for using the program are given, and a detailed...

TEXT:

Do you still have to tweak the margins to **print** out your mailing **list** on address labels or envelopes? Would you like to add postal bar codes to speed...

... Figure 1, the Postal Service-approved address format is designed for efficient routing by OCR **scanners**, not for making a good initial impression on human recipients. For the sake of accurate **scanner** readings all letters are uppercased, and the only punctuation permitted is the hyphen in the...

...must be the very last item in the address block; MLPRINT won't build a **bar code** unless it is. If for some reason the city or town is too long to...

...name (or box number). When the house or box number is incorporated within a Postnet **bar code**, the post office can directly route the letter closer to its actual destination--sometimes even...

...interpreting the delivery address line, MLPRINT follows the same rules as does the post office **scanner**. After reading the delivery line from left to right, it examines the first block of...

...numbers, MLPRINT appends the last two contiguous digits (the delivery-point digits) to the Postnet **bar code**. If the **scan** does not produce a number at all, or if it finds that it contains nonnumeric... non-address data line can be used to hold customer-specific information such as the **expiration date** of a magazine or the tracking code for a particular advertisement.

USING MLPRINT

Once your...

...one tall framing bar at each end. (A correction digit is used by bar code **scanners** to reconstruct a missing digit. So if, for example, one of the digits in the bar code was smudged, the **scanner** can determine the missing digit using the corrections digit and the digits that it can **read**.) Thus, for a fully outfitted address with a street number and a ZIP+4, the...

...s better not to bother using the bar codes. The post office OCR equipment will **read** the address and print its own bar code.

Note that MLPRINT will not print a...the same choices: Enter to try

again and continue, or ESC to quit.

MLPRINT will **read** and print the whole address file you have specified, stopping only for refills as needed...labels are printed. If the text file is smaller than 2K, the entire file is **read**. The text file is **read** into a buffer in 2,048-byte portions, and the amount **read** is subtracted from the total size of the file.

As the portions are **read** in, MLPRINT scans the buffer for delimiters and copies the address lines into a local...

17/3,K/5 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01091950 Supplier Number: 40575688 (USE FORMAT 7 FOR FULLTEXT)

**GATEWAY TICKETING SYSTEM USING AT&T COMPUTERS UNVEILED; CUSTOMER DEMO UNIT
IN DETROIT FROM 10 A.M. TO 2 P.M. ON WEDNESDAY**

PR Newswire, p1

Nov 15, 1988

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 885

... coast on a single ticket. The electronic wand --
which is similar to a bar code **reader** -- will be used by Greyhound
ticket agents to **scan** ticket information, baggage checks, and claims
coded to passenger tickets.

AT&T Data Area Manager...

...cities.

-- Provides for mixing ticket types (senior citizen, military, etc.)

-- Prints routes on tickets.

-- Prints **bar code** and ticket number on tickets.

-- Allows 53 passengers to travel on a single ticket.

-- Prints Ameripass tickets with customer name on each coupon, along
with **expiration date**.

-- Allows for multiple forms of payment for the same transaction.

-- Maintains schedule specific pricing.

-- Computes...

...in credit card number.

-- Transmits electronic messages between all Gateway cities.

-- Ties to bar code **scanner** to ensure passenger and baggage travel
the same schedule.

Future package express services

-- Prints busbills...

...at the end of each shift,
replacing the old method of reading adding machine tape.

-- **Prints** detailed shift **report** at cash-out.

-- Provides for cash drops within a shift, i.e., computer message tells...

17/3,K/6 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02097853 Supplier Number: 43877116 (USE FORMAT 7 FOR FULLTEXT)
MATERIAL HANDLING UPDATE: DCM-MASTER DELIVERS A CLIENT/SERVER DC SOLUTION
Manufacturing Automation, v2, n>9, pN/A
June, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1427

... integrates with other mainframe applications, and supports electronic data interchange (EDI), bar codes, radio frequency **scanners**, automatic storage and retrieval, automatic sorting and picking, pick-to-light equipment, etc. The breadth...

...s Factory Data Collection Equipment Markets report (710-10) forecasts that revenues for bar code **scanners** used in US factory applications amounted to \$177.8 million in 1990, and will increase...

...1997. Revenues for 1993 are pegged at \$289.6 million. Unit shipments of bar code **scanners** used in factory applications in the US are projected to reach 310,300 in 1997...

...about a 19.5% compound annual rate over the forecast period.

In 1990, hand-held **scanners** accounted for 66% of the total revenues for the US factory bar code **scanners** market, while fixed-mount **scanners** accounted for 34%. In 1993, hand-held bar code **scanners** are estimated to account for 64.4% of the aforementioned market's total revenues, while...

...expected to account for 61% of the total revenues for the US factory bar code **scanners** market, and fixed-mount types will account for 39%.

The distribution of total unit shipments for the US factory bar code **scanners** market in 1990 was: hand-held **scanners** -87.7%; fixed-mount **scanners** -12.3%. The distributon is expected to remain relatively similar in 1993. In 1997, hand...

...types are forecast to account for 85.1% of total unit shipments of bar code **scanners** for US factory applications, while fixed-mount types will encompass 14.9%.

Total revenues for...

...Shipment unloading verifies each shipment against the manifest, purchase order, or ASN, while data verification **prints reports** of these verified items. Shipment identification in DCM-Master identifies each shipment item, and instructs the operator where to put it for **bar code** labeling, cross-docking, or storage.

Pallet assembly helps optimize movement in ...storage and pick locations, including information on capacity, handling instructions, lot numbers, storage date, and **expiration date**. The route manager determines the most efficient routes for each DC location, describing

distance in...

17/3,K/7 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01884416 Supplier Number: 43261935 (USE FORMAT 7 FOR FULLTEXT)
Real-Time Warehouse Control: Foundation for Quick Response and JIT
Enterprise Integration Strategies, v9, n9, pN/A
Sept, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1333

(USE FORMAT 7 FOR FULLTEXT)
TEXT:

...means using truck-mounted, hand-held, or even the new sleeve-mounted computers; bar-code **scanners** and printers; and special software for tracking and verifying putaways, picks, and stock reassignments. These...
... Communications and drivers for popular types and brands of carousels and automated storage equipment;
* Label **printing** ;
* Productivity **reporting** ;
* Interface to business systems -- order entry, production planning, purchasing and inventory accounting, and accounts payable...

...keeps a stock-picking history, INTEK's software can also generate an activity report by **SKU** , and indicate those items that might be stored in a better, more accessible location based...

...4 carousels and metal shelving. Stored parts include raw materials, hazardous materials, refrigerated materials with **shelf - life** , work-in-process, and finished goods. Functions performed include receiving, putaway, kitting, picking, and shipping...

17/3,K/8 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06544606 Supplier Number: 55373489 (USE FORMAT 7 FOR FULLTEXT)
Shipment info: Link it or carry it?
Cummins, Chris
Automatic I.D. News, v15, n9, p44
August, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1015

... value
The composite symbol is made up of two parts, a linear UCC/EAN-128 **bar code** and a 2D code. Instead of two separate symbols to **scan** , the composite can be captured in a single **scan** . Combining the linear and 2D components saves space on the label. Since the linear **bar code** acts as the finder pattern for the 2D symbol, the composite takes up less overall
...

...from the integration of the linear and 2D parts into a single symbol. The linear **bar code** provides support for widespread existing

implementations of UCC/EAN-128. Existing applications can continue to...
...The value of a 2D symbol can be added without it competing with the linear **bar code** for the attention of the **reader**. Instead, they complement each other. Also, because the two components are physically connected, the UCC...

...even in the best systems. Some industries can't afford a breakdown in the links.

Perishable goods, for example, have a short life span and need to move whether the ASN...

...be with the shipment. This information can fill the gap when the ASN falls down.

Electronic packing list

What is an ASN if not an **electronic packing list**? The transaction is designed to list the contents of a shipment, just like a packing...

...include linkages to order and shipment transactions. As a critical link in the trade process, **electronic packing lists** lead to more accurate receiving, faster movement of goods to the sales floor and more efficient invoice processing. As industries get better at supply chain management and **electronic commerce**, **electronic packing lists** grow in value.

For the UCC/EAN-128 Composite Symbol, this is the core transaction...
...is building those formats today, based on the Application Identifier data formats already used in **bar codes**. These templates will provide guidelines on how to show different sorts of content information, such as mixed content pallets, serialized goods and **perishable** goods.

Yesterday, today and tomorrow

A lot of energy and resources have been put into license plate/ASN architecture. Today, hundreds of thousands of UCC/EAN-128 **bar codes** carrying SSCC numbers are scanned every day and associated with ASNs. When it works, it...

17/3,K/9 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04536851 Supplier Number: 46666164 (USE FORMAT 7 FOR FULLTEXT)

Building a Case for Bar Coding

Health Data Management, p78

Sept, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1606

... involves printed bar codes, such as those found on grocery items. The bar codes are **read** by a scanning device that uploads the encoded data into an information system.

Bar coding...

...systems improve accuracy in data collection, says Symbol's Isaac. 'The more data you can **scan**, the greater the efficiency,' he says.

Bar codes use encoding language that's known as...

...become a bar code. That bar code is illuminated with either a light-emitting diode **scanner** or, more often, a laser **scanner** for data collection.

When the light bounces off the bar code, some of the light bounces back into the **scanner**. The white spaces reflect more light, and the dark

bars absorb more light. The **scanner** detects the amount of light bouncing back and translates that analog signal into a digital...

...needed to print bar codes range from hundreds to thousands of dollars. Bar code reading **scanners** cost from \$300 to \$2,000 but average less than \$1,000. And portable data...

...1,000 to more than \$2,000 for a sophisticated terminal with a built-in **scanner**, says Symbol's Isaac.

A health department in Canada has proven that bar coding technology...

...was handled individually, says Julie Geerts, a school records clerk in Richmond. 'Today, I just **swipe** the bar code and save information in the portable units for later downloading into the...

...master sheet listing the vaccines to be administered. After a child has been immunized, I **scan** the child's file and **scan** the bar codes representing the vaccines they've been given. That's all there is... accounts receivable, patient charting and pharmacy. Thus, materials management staff members can pass data on **bar coded** items to others. **Bar code** labels are printed on a thermal printer from Eltron Inc., St. Chatsworth, Calif., and receiving dock staff use **scanners** from PSC Inc., Webster, N.Y. The entire bar coding system cost \$50,000.

Because...

...their supplies are flowing through those areas and solicit their help in honing resource needs.'

Bar codes and robots

Piedmont Hospital in Atlanta is combining bar coding and robotics so that its...

...Piedmont Pharmacy Dosage Dispenser robot, or P2-D2. The robot stores and distributes medications in **bar coded** plastic bags to save pharmacy staff time and money.

The hospital leases a bar coding...

...a PC, pharmacy technicians select medications from a menu; enter the dosage, lot number and **expiration date**; and bag the pills in single doses. PC-based software prints a **bar code** for the bag. Technicians place the **bar codes** on the bags, deposit the pills inside and heat-seal the bags. The system tracks...

...bags on a series of metal pegs in a vast storage room. The robot reads **expiration dates** off the **bar coded** medication bags and rotates stock to ensure all medications are still usable.

Interfaces between the...

...discharge-transfer and pharmacy order entry systems enable the robot to fill medication orders.

The **bar code** system prints out patient **bar codes** that contain a patient's name and room number for the robot to reference. The...

...from the order entry system, reads the name of the patient, scans the patient's **bar code**, then rolls through the storeroom to collect the patient's medications for the next 24...

...system, Piedmont pharmacists and technicians would enter all orders into the order entry system and **print** out a master **list** of all medications for all patients in the 500-bed hospital. Technicians would fill each...

PRODUCT NAMES: *3573243 (Barcode **Readers**)

17/3,K/10 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02743943 Supplier Number: 43673915 (USE FORMAT 7 FOR FULLTEXT)
REBATES ARE GETTING A BAD RAP
Promo, p10
March, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2266

... required to redeem them. These magazines amount to little more than printed 'flea markets' where **readers** can buy, sell or swap rebate forms, proofs of purchase and other materials necessary to...

...your refunding clean.'

Manufacturers can take other steps to protect themselves, Miller says. Shorter rebate **expiration dates** may reduce the chance that an offer will be published in one of the refund...

...or organization.

But dealing with the professionals who operate their own cash register machines for **printing** fictitious **receipts**, people who go 'dumpster diving' behind supermarkets in search of **UPC** seals and individuals who remove **UPC** seals from products right on store shelves will remain a problem.

NCH Survey shows bright...

17/3,K/11 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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12107842 SUPPLIER NUMBER: 59228793 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer-Age Kitchens.
KUHL, HELEN
Wood & Wood Products, 104, 13, 144
Dec, 1999
ISSN: 0043-7662 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2611 LINE COUNT: 00212

... or to lock out appliance access when unsupervised children are at home. Perhaps they will **scan** groceries to create an inventory or **print** out a shopping **list**.

Joseph Kaye, one of the presenters at the Trendsetters Symposium, is a researcher at the...

...radio frequency identification tags being found on every product in the kitchen -- enabling appliances to **scan** and **read** objects and set themselves up to perform various functions. The tag that appears on a...and efficiently. Bar code labeling not only will recommend recipes and keep track of food **freshness** dates, it also will make automatic replacement shopping a reality -- an interface linking to the...

17/3,K/12 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

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11188120 SUPPLIER NUMBER: 55083930 (USE FORMAT 7 OR 9 FOR FULL TEXT).

Benchmarking sales forecasting management.

Mentzer, John T.; Bienstock, Carol C.; Kahn, Kenneth B.

Business Horizons, 42, 3, 48(9)

May-June, 1999

ISSN: 0007-6813

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6208

LINE COUNT: 00553

... Having moved beyond shipment forecasts or self-recorded demand forecasts, Stage 3 companies use some **point -of- sale (POS)** demand and supply chain timing/inventory information to forecast demand at their position in the...of forecasting and the predictability of demand;

* whether or not the product has a short **shelf life** , because the shorter the **shelf life** , the greater the product obsolescence due to forecasting error;

* the value of the product - more...

...of analysis." As a result, information is transferred from one functional area to another via **printed reports** . The data must be keyed into the receiving function's computer system manually, resulting in...and use the forecasts, thus eliminating the need for manual transfer and input of information. **On - screen reports** of forecasting performance metrics are available, as well as periodically **printed reports** . However, they are often quite large and contain a great deal of extraneous information.

Stage...

...customers and suppliers so that EDI linkages allow supply chain staging of inventory based on **POS** demand forecasts. At this stage, a firm can achieve considerable savings in supply chain inventories...

...the forecasting information system. This allows supply chain staged inventory, which can make use of **POS** information in the formulation of demand forecasts.

PERFORMANCE MEASUREMENT

The dimension of Performance Measurement involves...

...a problem to be investigated. For instance, investigation of a forecasting error may indicate that **POS** demand was predicted accurately, but a lack of communication with production failed to alert the...limited documentation of forecasting process

Stage 3

* Both top-down and bottom-up forecasting

* Forecast **POS** demand and back information up supply chain, and/or use key customer demand information ("uncommitted...1

* Corporate MIS, forecasting software, and DRP (distribution requirement planning) systems are not linked electronically

* **Printed reports** ; manual transfer of data from one system to another; lack of coordination between information in...

...or reports

Stage 2

* Electronic links between marketing, finance, forecasting, manufacturing, logistics, and sales systems

* **On - screen reports** available

* Measures of performance available in reports and in the system

* Reports periodically generated

Stage...

...and suppliers to allow forecasting by key customer and supply chain staging of forecasts (realtime **POS** forecasts to plan key customer demand ahead of supply chain cycle)

Figure 6

Improving Forecasting...

...process

- * Develop common ownership of databases and information systems
- * Provide the ability to obtain customized **on - screen** and **printed reports** on demand
- * Enfold key customers and suppliers into the forecasting information system to allow supply chain staged inventory based on **POS** demand forecasts

Figure 7

Forecasting Benchmark Stages: Performance Measurement

Stage 1

- * Accuracy not measured
- * Forecasting...

...error

- * Forecasting error treated as indication of the need for a problem search (e.g., **POS** demand was forecast accurately, but plant capacity prevented production of the forecast amount)
- * Multidimensional metrics...

17/3,K/13 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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10625107 SUPPLIER NUMBER: 21250199 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Evaluated receipts settlement (ERS) and tax compliance.
Tax Executive, 50, n5, 350-357
Sept-Oct, 1998
ISSN: 0040-0025 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5120 LINE COUNT: 00428

... received are entered either manually into the purchaser's computer or through the use of **bar codes**. The computer system calculates the payment amount due by multiplying the unit price times the...tax amount, the purchaser may wish to have an interface to the order system to **read** the supplier taxability tables to calculate the tax for inclusion on the order system.

7...

...of goods, quantity, price, discount terms, taxability of item, freight, tax, and account coding.

b. **Electronic Goods Receipt Data** (Receiving Report) -- Including goods receipt reference number (receiving report number), date of receipt, supplier...

...goods, bill of lading or packing slip number, purchase order number, and contract number.

c. **Electronic Price Lists** -- Including all updates, changes, dates, etc. to support pricing on the purchase order.

d. Tax...

17/3,K/14 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)

Plastics Technology, v41, n8, pCOV(941)

August, 1995

DOCUMENT TYPE: Buyers Guide

ISSN: 0032-1257

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 174436 LINE COUNT: 15187

... of commingled plastics.

Planetary-gear extruders for rigid and flexible PVC compounding and calender feeding **reportedly** provide excellent temperature control.

Multiple-screw (10 and more) extruders for high-surface-area devolatilization...for 25 different recipes makes repeat setups simple. Messages and instructions displayed on easy-to- **read** backlit LCD. Continuous analog weight-loss signals from each material hopper mounted on an individual...control modules in cabinets with one to 12 zones. Multizoned free-standing cabinets available. Can **sense** T/C failure and switch automatically to continue running at steady state. AutoSoft warm-up ...configurations feature ground-fault softstart systems, PID output, solid-state digital readouts, and ability to **read** out in setpoint or direct thermocouple mode. (See data sheets pp. 272-273.)

RAMA CORP...saved for historical analysis, and mathematically manipulated for alarm checking, process changes, machine status, production **reports**, etc. Mold setups can be stored on the system and electronically transferred to production machine...

...and handling controls, real-time displays, statistical analysis and display of process and production data, **printed reports** and computer files of process and production data. Also marks the product at detected defects...

...form for on-line analysis. Data can be transmitted to a PC for preparation of **reports** on process history. User-programmable keys call up repeated tasks. (See ad p. 1.)

BARCO...

...perform production monitoring, scheduling, statistical process monitoring, statistical quality analysis, personnel monitoring, and order-status **reporting**. A 4GL-type report designer creates textual and graphical customized reports. Both systems monitor machines...a factory network of portables and fixed micro-terminals with attached barcode or magnetic-card **readers**. It generates ID cards, plant travellers, material tickets, etc., for fast entry via simple wand...spreadsheets. Can also use data from manufacturing and operations database systems for enterprise-wide SQC **reporting**.

NWA Quality Monitor is a configurable plant-floor SPC-datastation package. Collects data from keyboard...those due for preventive maintenance. Integrated software (from Stochos Inc.) provides comprehensive quality analysis and **reporting** and quality-tracking database to meet ISO 9000 requirements. Alternatively, data can be ported to...

...overlays. PC control stations make master files, historical data, and real-time data available for **on - screen** viewing or **printed reports**.

Focus-2000 includes all features of Focus-100, but incorporates a Windows-based graphical user...of clamp. Additional modules can be used to control pick-and-place robots, conveyors, barcode **readers**, and other functions. Operator-interface software and cell-level controls with SPC/SQC functions available...

...self-teaching control systems.

COMET INDUSTRIES

Thermoforming equipment suppliers offers Comsol quartz-tube infrared heaters **reported** to provide almost instant heat-up and cool-down. Energy savings possible because heaters can...probes can be extended to 1000 ft.

Hand-held and panel-mounted digital thermocouple units **read** temperatures from -40 F to 2200 F. Probes can be extended to 50 ft.

Also...

...controlling, and recording instrumentation includes hand-held digital and analog pyrometers, infrared thermometers, thermocouple sensors, **scanners** and controllers. Temperature ranges from -280 to 2000 F/C, accuracy of + or -|1 degrees...type-J or K) are reference for calibrating temperature-sensing equipment.

Hand-held surface pyrometers **read** temperatures up to 600 F without touching heat source. Also low-cost analog unit for...

17/3,K/15 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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07906085 SUPPLIER NUMBER: 16983003 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Circulation Plus, Catalog Plus, and alliance Plus: the Unison design from Follett Software Company.

Breeding, Marshall

Library Software Review, v14, n2, p106(16)

Summer, 1995

ISSN: 0742-5759

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 9520

LINE COUNT: 00810

... and other information available on selected materials. Discs are updated quarterly. The "Books for Young **Readers** " version focuses on materials for elementary school libraries, whereas "Books for Young Adults" lists materials...printer will work well for all of the printing tasks performed by these modules.

Barcode **reader** . A barcode scanning device is not absolutely required but eliminates manual keying of barcodes, which...

...especially helpful in the circulation and inventory control functions. Follett offers several types of barcode **readers** that can be used with its software.

Operating System Environment

MS-DOS 5.0 or...Plus offers limited features related to printing, downloading, and creating bibliographies. Although the user can **print** either a **list** of titles or an individual record as it displays on the screen, no capability is...

...slips during charge

Yes

Browse count (in-library use)

No

Automatic calculation of fines

Yes

Print receipt for fines paid

No

Posting of unpaid fines to borrower record

Yes

Billing of nonreturned...database. One of these reports creates lists of patrons with their schoolroom number, barcode number, **expiration date**, graduating year, patron type category, and total number of circulations. This report can be run...

...file, producing a card for each patron that includes the patron's name,

graduating year, **barcode** number, and room location.

Maintenance of the Library Patron Database

Another prerequisite for circulation involves...

...compatible systems.

The patron record includes the usual types of fields related to circulation: patron **barcode**, an alternate ID number, addresses, and special messages that apply to the patron. These messages...of the use of the Alliance database. The figure shows an index of titles being **read** from the Alliance CD-ROM.

The value of the Alliance CD-ROM depends on the...

17/3,K/16 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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06728382 SUPPLIER NUMBER: 13291455 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Scan the technology at SCAN -TECH 93. (preview of data collection, electronic data interchange equipment to be showcased at 1993 Scan -Tech show)

Modern Materials Handling, v48, n10, p48(6)

Sept, 1993

ISSN: 0026-8038

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2538 LINE COUNT: 00220

Scan the technology at SCAN -TECH 93. (preview of data collection, electronic data interchange equipment to be showcased at 1993 Scan -Tech show)

...ABSTRACT: of automatic data collection and electronic data interchange equipment to be exhibited at the 1993 Scan -Tech show are provided. A number of hand-held **scanners** are represented, among them a real-time, on-line, 'hands-free' bar-code label verifier...

TEXT:

With over 250 exhibits and 50 seminars, Scan -Tech 93 will emphasize how the latest in automatic data collection and electronic data interchange ...

Integrated **reader** /
hand-held computer
for RFID units

EID, Electronic Identification Devices, Ltd., Booth 1810. Targeted for use in data collection, inventory management, and route accounting applications, a new integrated **scanner** /hand-held computer reads RFID products. The computer, designed to provide for additional keyed in...

...battery-powered, is compatible with IBM PCs, and has 128 Kbytes of RAM.

Omni-directional **scanner** provides

99.9% first pass **read** rates

PSC, Booth 901. Designed for materials handling and manufacturing process control applications, a series of omni-directional **scanners** provides 99.9% first pass **read** rates. The Eagle series with multiple scanning axes scans and decodes bar codes with aspect...

...and/or pitch of up to 30 degrees at conveying speeds to 500 ft/min.

Scanners can be used for wide area scanning on conveyors or can **scan** small objects.

An RF terminal and
scanner in one

Teklogix, Booth 721. An integrated hand-held unit operates as an RF terminal and a **scanner**. This real-time, on-line terminal features an ergonomic design that is angled to provide...

...reflective labels allow lift truck operators to remain on their vehicles and, with long-range **scanners**, **read** the bar coded labels from a distance. Labels can include any standard bar code symbology...

...interface connects the unit to standard networks. Other characteristics include a high-speed processor; two **scanner** ports; a 4-line, 40-character display; and a high-strength case.

Portable data
collection...

...device that also functions as a wedge supports a variety of input devices, including wands, **scanners**, and ID badge **scanners**. Unit includes a 4-line by 16-character display and a 34-key alphanumeric keypad
...

...by a simple prompt-driven, user configurable program. The network supports scales, bar code printers, **readers**, and other data input devices or peripherals.

RFID systems
track products
Disys, Booth 1851. RFID...

...track goods through ware-housing and manufacturing operations, even in harsh environmental conditions. Small electronic, **read** /write tags are attached to goods and a **reader** sends signals to and receives signals from the tags.

System reduces
picking, stocking
time
White...

...data.

Unit reads OCR
and bar code data

Caere, Booth 2323. A new OCR batch **reader** reads to 3,000 documents per hour and automatically distinguishes between bar code and OCR data.

Scanner connects
to PCs

Densei, Booth 2011. With this wedge **scanner**, data are entered into IBM PC/ AT, PC/XT, PS-2, and compatible computers directly...

...away.

Data collection
solutions

Compsee, Booth 928. This systems integrator and manufacturer of bar code **readers** offers bar code data collection solutions, including **scanners**, **readers**, printers, and tracking

Scanners for
many applications

Hand Held Products, Booth 1109. A line of portable data collection devices, including an integrated contact bar code **scanner**, a non-contact **scanner**, and a unit with radio frequency communications, is designed for guiding users through shipping, receiving...save on the cost of photocomposed laminated labels, and withstand temperatures to 600 [degrees] F.

Reader provides
multiple

interfaces
Advanced Barcode Technology, Booth 2009. A new portable bar code
reader supports multiple interfaces and provides user-friendly
configuration software.
Create new RF
applications
LXE, Booth...

...386 or higher, directs real-time material movement through receiving,
put-away, picking, and shipping.
Scanner reads
multiple bar
codes
Duplo, Booth 1916. Place a stack of bar coded documents into...

...print two lines, including such data as time and date codes, product and
production information, " **use by** " **date** , and **expiration date** .
Continuous form
laser printer
Synergystex, Booth 157. This 1000 lines/min desk-top printer offers
dual functionality as a label **printer** and a **report** or data processing
printer.
Pen-based
computer
Fujitsu, Booth 1943. This pen-based, hand-held...

...cables, a new two-way radio modem enhances portable data collection in
real-time applications.
Read /write RFID
tags
Balogh, Booth 1754. A new series of **read /write** RFID tags has an
infinite **read** life because there is no battery.
Printer produces
24 pages/min
Printronix, Booth 809. Ideal...

...collection management, LAN-based terminal access, network management,
and transaction processing.
Card cleans mag
stripe **readers**
Clean Team Co., Booth 829. Simply place cleaning card into a magnetic
stripe **reader** and the head is cleaned.
Heavy-duty
printer
CIE America, Booth 1249. A heavy-duty...

...smear-resistant, high-density bar codes and alphanumeric characters on a
wide range of media.
Scanner reads to
72 in.
Datalogic, Booth 1609. A compact **scanner** , with a built-in keypad
and display housed in a rugged enclosure, scans at the...

...graphics, and cartridges may be added to provide custom information,
such as graphics and logos.
Scanner reads
2,000 lines/sec
Metrologic, Booth 1141. Projection **scanner** features compact size,
flexible mounting, and a dense high-speed **scan** pattern.
Linerless labels

Moore, Booth 1811. Linerless labels may be printed with fixed or variable images on each side, and each face may have its own printed message.

Scanner reads
various ranges

Spectra-Physics, Booth 609. With one bar code **scanner**, users can **read** labels from 6 in. to 7 ft away (or 21 ft away with retroflective labels...storage for labeling programs, scalable Post-script type I fonts, logos, and graphic images.

Long- **read** RFID
tag

Hughes, Booth 1663. RFID tags and **readers** will be on display, including a new passive RFID tag with a 5-ft **read** range.

Data capture
terminals

Jarltech, Booth 1013. A programmable data transaction terminal can be used...

...time.

System
automates your
warehouse

Cambar Software, Booth 923. Warehouse software, together with bar code **scanners**, RF devices, and a network of personal computers, automates warehouse operations from receiving to shipping...

...packs, can be transported to meet the needs of mobile, on-site requirements.

Fixed-mount
scanner for
industrial use

Microscan Systems, Booth 729. Designed for demanding applications, a series of fixed-mount **scanners** integrates a high - speed moving-beam laser-diode **scan** head - up to 1,000 scans/ sec - with a real-time decoder, seals against dust and moisture, and reads products to 60 in.

Small fixed-position
scanner

Accu-Sort, Booth 1329. Small, self -contained fixed-position **scanner**, measuring 2.16 by 2.11 by 1.31 in., features a **scan** rate of up to 500 scans/sec and a working range up to 12 in...

; **Scan** -Tech...

17/3,K/17 (Item 7 from file: 148)
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05927907 SUPPLIER NUMBER: 14258070 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Paper and allied products. (Industry Overview)

Smith, Leonard S.; Stanley, Gary L.
U.S. Industrial Outlook, p10-1(24)
Annual, 1992

DOCUMENT TYPE: Industry Overview ISSN: 0083-1344 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 19760 LINE COUNT: 01629

... over the next five years. Although reports indicate that the computer, facsimile machine, and other **electronic**, **reporting** devices will result in the "paper- less" office, the exact opposite has occurred.

Such equipment...new designs and applications now permit opportunities for labeling nutritional information, storage and preparation instructions, **freshness** maintenance information, and other advertising and promotional information.

The fastest growing end-use market for pressure-sensitive labels is in **bar - code** labeling and **Universal Product Code (UPC)** labeling systems. Recent technical and equipment advances and new product adaptations have improved the operating efficiencies and expanded customers for these labeling operations. **UPC** labels are now used by grocery and department stores and other retail sales operations utilizing...

...year.

Driven by retail, manufacturing, and wholesale demand for increased productivity and improved operating efficiencies, **bar - code** labeling procedures have been implemented for controlling materials flow, creating production lists and data entry...

...pricing and discounting, and auditing and categorizing new orders and completed receipts. Innovative procedures for **bar - code** labeling are now being used by the military, government agencies (for budget, procurement and warehousing...

...companies, automobile parts suppliers, business and home computer firms, furniture manufacturers, bakeries (for ensuring food **freshness**), and video cassette rentals and purchases - all resulting in a strong demand for pressure-sensitive labels. The latest developments for **bar - code** labeling involve printing labels of varying sizes and shapes with multi-colored logos and graphics...positive consumer response. This type of approval will contribute to increased sales of pressure-sensitive **bar - code** labels in other areas including delicatessens, butcher shops, fish markets and other food-service operations...of these industry sectors. For more detailed background data on the individual converting industries, the **reader** should refer to the chapter on Paper and Allied Products in the 1990 and earlier...

17/3,K/18 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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03938434 SUPPLIER NUMBER: 08263509 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Product information section. (Clinical Laboratory Reference 1989) (buyers guide)

Medical Laboratory Observer, v21, n13, p16(90)
Annual, 1989

DOCUMENT TYPE: buyers guide ISSN: 0580-7247 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 64583 LINE COUNT: 05915

... analyzer.

3. Close the analyzer door and press the RUN button.

The TDx Analyzer will **read** the assay name from the reagent pack and automatically set instrument parameters for the assay...pack for a particular assay is then loaded. Simply press "RUN" and the assay is **read** and the calibration is verified. The instrument, with its multitasking feature, allows the operator to...attention. The Perspective offers a selection of patient scheduling utilities. Use of an optional laser **scanner** allows the use of pre-printed or laboratory generated barcode labels for positive sample identification...

...accept pre-printed and/or laboratory generated barcode labels and incorporates an on board laser **scanner** to facilitate positive sample identification. Routine maintenance is minimal, allowing the laboratory to gain the...of susceptibility, identification products and the instrumentation varying in the amount of automation needed to **read** them.

The UniScept [R] product line offers flexibility in the choice of the susceptibility test...

...for identification of anaerobes.

After incubating the disposables, appropriate reagents are dispensed, the results are **read**, stored and the product disposed into the waste station. ALADIN [TM] is truly a hands...

...individual no waste testing. Reagents are included in ready to use dropper bottles. The visually **read** product includes a special transport pipet which means no messy weighing of stool specimens. When...

...Negative Value * No instrumentation required * Stable, room temperature storage

The system provides distinct, easy-to- **read** results without specimen incubation or pretreatment. The unique disposable format allows convenient single or batch...the sample tube. As this tube moves through the analyzer, the bar code label is **read** and the appropriate operations for each ordered test are performed. The management console calculates results touch programming for frequent

operations * Automatic loading and unloading of sample
sectors * Liquid level **sense** probes to monitor
reagent usage * 80 sel-cleaning cuvettes * Two-week calibration for
most chemistries...

...washing with no system

interruption * Optical Xenon pulsed photometer assembly
ensures reliable results * Liquid level **sense** probes detect sample
and

reagent volume * Three-compartment reagent cartridges
carry stabilized liquid reagents * Automatic...features which
increase efficiency and productivity in electrophoresis scanning.

The APPRAISE Densitometer is preprogrammed to **scan** Paragon gels, eliminating setup and reducing total **scan** time. The APPRAISE Data Network allows the generation of 8 1/2 x 11" chartable...MS-DOS based

quality assurance system * Eliminates hours of paperwork and
calculations * Produces easy to **read** printouts * Maintains
permanent records of out of

control situations with historical corrective
actions * System improves...provide speed and simplicity to hCG and
IgE (biotin-avidin enhanced) testing. These tests are **read** at 492 nm on
any spectrophotometer.

Epsilon Test Processor

This accessory provides a simple, fast...BACTEC NR-730 Blood
Culturing System

BACTEC 460 TB System

SCEPTOR Automated Prep Station

SCEPTOR **Reader** /Recorder with SCEPTOR

Color Comparator

Media, Test Kits and Reagents for:

Blood Culturing

Mycobacterial Isolation...attached to the head plus a built-in
magnifier eliminate the need for a separate **reader** and allow convenient,
accurate reading of microhematocrit values while tubes are still in the
centrifuge...

...tube handling, save time and avoid specimen mix-up. Samples can be transported, spun and **read** in the carrying tray. Also allows user to prepare one tray while running another batch...and others.

WHOLE PLASMA AND SERUM STANDARDS - Concentration values for 43 proteins.

ELECTRONIC RID PLATE **READER** - for easy accurate measurement of faint precipitin rings - digital **read** of diameter.

BIO/DATA CORPORATION

3615 Davisville Road Hatboro, PA 19040-0250

Ordering/Pricing/Technical...single reagent systems), providing over one hour of unattended operation.

The built-in bar code **reader** identifies and locates the bar-coded reagents at start up. Test requests are entered via...and premeasured diluents with a simple procedure that save hands-on time * Manual and automated **readers** with data reduction for every size lab * Quality service and support provided by a

experienced...information and requests tests. The DACOS XL system takes over from there until final printed **report**. **However**, STATs are smoothly integrated into the DACOS XL system workflow because the system accepts them...Neutralization Kit 50-Test

Equipment/Reagent Program

Coulter Immunology offers a selection of microplate readers.

Washers, accessories, and software for use with the microplate.

CELL SURFACE MARKER KITS AND REAGENTS

100...Bichromatic optics allow through-the-tube reading of any 12mm tube. The instrument will read **any** assay between 340 and 630nm with a quick change of filter.

SOPHEIA 2000

The SOPHEIA...

...to 22 protocols with choice of data reduction and transformation. The SOPHEIA 2000 can read **one** tube per second up to its 95-tube capacity, and can handle larger runs in...BP-12 Photometer For reading microwell strips at 405, 450, 492, and 600nm.

EZ Reader/ **Printer** For reading total hemolytic complement activity as well as HbA1 results

DIANON SYSTEMS Diagnostic Innovations...based on specimen source or organism identification.

Up-to-date antimicrobials and easy-to-read **biochemicals** ensure that Pasco panels meet the susceptibility and identification needs of the microbiology laboratory.

The...

...wall. This extract is then mixed with specific antibody-sensitized latex particles, mixed and read **within** two minutes.

There are adequate reagent, extractant, mixing sticks, disposable slides and controls to complete...of the manual labor associated with work lists and sample programming. Utilizing a laser scanner, **the** system is highly reliable and allows the flexibility to select from a variety of bar ...size hospitals and clinical labs. Also

suites for government, industrial and research facilities.

Quick Scan **R** & D, Cat. No. 1050, designed specifically for the research lab.

Quick Scan **Jr** . TLC, Cat. No. 1038, perfect for low volume laboratories requiring

visible spectrum instrumentation.

SOFTWARE Includes...available in a 48 test kit.

TANDEM ICON QSR [TM] (SERUM hCG) and ICON reader **Quantitative** Stat Results The TANDEM ICON QSR and ICON reader **system** provides quantitative hCG results in less than six minutes. The 4-zone ICON QSR cylinder...

...of the patient assay zone is approximately 5 mIU/ml of hCG. The ICON reader, **a** compact, portable analyzer, quantifies the color endpoints on the ICON QSR membrane using reflectance photometry...

...QSR cylinder incorporates Low and High Calibrator Zones, and duplicate Test Zones. The ICON reader **compares** the color development found at the Test Zones with that observed at the internal Calibrator...

...the patient assay zones is approximately 2ng/ml of CK-MB.

Using the ICON reader **system**, labs can report a single quantitative CK-MB result quickly and easily.

NON-ISOTOPIC ASSAYS...

...response, extended dating and sensitivity equal to or better than conventional RIAs. Results are read **at** 405 nm on a standard laboratory spectrophotometer or the PHOTON Immunoassay Analyzer.

TANDEM-E ASSAYS...precision pipettes. Diluter simultaneously dilutes and dispenses your samples. Superior quality liquid handling.

PLATE READERS **COMBIPLATES** MICROSTRIPS [R] MICROTITRATION PLATES 96 well plates in 8 and 12 well strip format (with frame and retainer). Superb optical clarity, excellent binding capacity. Vertical photometry plate readers.

AUTO -EIA II AUTOMATED ENZYME IMMUNOASSAY SYSTEM DIAGNOSTIC KITS Walkaway system dilutes samples, dispenses reagents, incubates...fingertip or venous blood. Glucostix is a convenient no wash test which can be read **semiquantitatively** against a comparison color chart on the bottle label or quantitatively in 50 seconds with...

...urine. KETO-DIASTIX is designed for the determination of ketone and glucose. Results are read **against** comparison color charts (on containers): ketone in 15 seconds, glucose in 30 seconds.

No. 2806...

...concentrations of 140-800 mg/dL. After timing and blotting, semi-quantitative results are read **from** a color chart by single-color comparison.

No. 2660--VISIDEX [R] II Reagent Strips, bottles...

...R] Reagent Strips Provides vital information about lipid and carbohydrate metabolism. This dip-and-read **test** for Ketone in urine furnishes superb quantitative results in 15 seconds.

No. 2640--KETOSTIX Reagent...

...KETOSTIX Reagent Strips, bottles of 100.

CLINISTIX [R] Reagent Strips The "fastest" dip-and-read **strip** test for glucose in the urine. Ten seconds gives either a "yes" or "no" answer ...Transfer of CLINITEK 200 urine chemistry records to the Data Management System and the printing **of** reports **are** also initiated by single keystroke command.

The System has powerful search capabilities for identifying user... EIA tests performed in versatile SUDS Test Cartridge * Easy to use and easy to read * **No** precision pipetting, serial dilutions or complex washings required--reagents ready to use in convenient dropper...more firmly in place during handling, thus providing more stable, accurate and easier to read **agglutination** /non-agglutination patterns. Additional advantages

include simultaneous processing of routine blood tests, micro-syringes for ...

...many as 60 tests requested per sample. The main sampler includes a bar code reader. **One** hundred samples may be loaded into the main sampler at once.

REPLY features automatic repeat...unique 1/2-frame exposure, etc. are also controlled on the microscope. Exposure is read **by** means of a sensitive built-in photo multiplier.

The Vanox-T includes all major features...and dual disk drives. Software is complete with menus to direct demographic input, plate read, **report** generation and complete epidemiological profiling.

Arterial Blood Sampler Dual mode. Automatic self-filling or aspirating ...

...degrees]-8 [degrees] C. ALBUMIN REAGENT--BCG method, dry powder. ALCOHOL REAGENT--Enzymatic endpoint, read **at** 340 nm; aqueous ethanol alcohol control included. ALKALINE PHOSPHATASE REAGENT--Kinetic, colorimetric single dry powder...

...2 [degrees] C-8 [degrees] C. ALKALINE PHOSPHATASE--DEA Buffer. AMMONIA REAGENT--Enzymatic, endpoint read **at** 340 nm; uses NADP cofactor to eliminate interferences from other plasma compounds. Separate reagent solutions...

...8 [degrees] C). Ammonia standards included. AMYLASE REAGENT * Kinetic method for serum or urine, read **at**

405 nm * Single vial, dry powder reagent, readily soluble in water * Assay can be performed...

...dry powder reagent; solution stable 7 days at 2 [degrees] C-8 [degrees] C; read **at** 340 nm or 365 nm. CALCIUM REAGENT--SINGLE STABLE LIQUID--Neutral pH; endpoint reaction complete...

...8 [degrees] C; standard included [CO.sub.2] SINGLE REAGENT--Enzymatic, end-point reaction read **at** 380 nm. Reconstitute with water; stable 15 days at 2 [degrees] C-8 [degrees] C; standard included. [CO.sub.2] REAGENTS--Enzymatic [CO.sub.2] end-point reaction, read **at** 340 nm. Reconstituted reagents are stable 7 days (2 [degrees] C-8 [degrees] C). CHLORIDE...REAGENTS, SOLUBLE-STABLE--With substrate separate for greater solubility and reconstituted stability; kinetic reaction read **at** 405 nm. Separate components stable for 30 days (2 [degrees] C to 8 [degrees] C... ..starter. LDH-P REAGENT--Single vial, dry powder. MAGNESIUM SINGLE REAGENT--Colorimetric endpoint method; read **at** 520 nm; standard included. MAGNESIUM REAGENT, ENZYMATIC--Two reagent dry powder set. Kinetic, based on the rate of an enzymatic reaction; read **at** 340 nm. Standard included. NADH SUPPLEMENT--For reagents using NADH as the cofactor. The addition...

...included. TOTAL PROTEIN REAGENT--Biuret method; standard included. TRIGLYCERIDES TEST 500 nm--Enzymatic colorimetric read **at** 500 nm; true single vial--just add water; solution stable 15 days at 2 [degrees]...

...C. TRIGLYCERIDES UV REAGENT--Two reagent system, GK separate. URIC ACID REAGENT--Enzymatic, colorimetric read **at** 520 nm; specific and sensitive; linear to 20 mg/dL; standard included. Solution stable 30...

...TM] APO A-1 REAGENTS SPIA [TM] APO B REAGENTS * Turbidimetric equilibrium (endpoint)

method read **at** 340 nm; * Automated results in 5 minutes; * All test components in liquid form, ready to...

...to-use assays do not require any instrumentation or extensive training. The results are read **visually** and are available in approximately three minutes. Abuscreen ONTRAK can be run anyplace, anytime.

COBAS...of infectious diseases, autoimmune reactions and assay of hormones. Integrated with versatile EIA Microwell Reader, **Sigma** Immunoassay (SIA [TM]) technology provides simplicity, unmatched specificity and methods suitable for any laboratory setting...EIA System The Syva MicroTrak EIA System combines a fully automated microplate washer and reader **system** with enzyme immunoassays for fast, consistent results for chlamydia, HIV, hepatitis and other infectious microorganisms...

...facilitate total laboratory information management system integration. Optional linear rack drive with bar code reader **provides** positive sample identification.

TECAN Robotic Sample Processors RSP 8000 A new concept in automated sample...is 30 + days. Reagents are bar coded for automatic on-system identification, inventory and expiration **date monitoring**.

Samples are loaded via a rack-fed linear sampler which facilitates loading/unloading and allows...

...and multiple report formats.

In addition, options of manual closed-tube sampler, bar code reader, **expanded** data storage, direct cytometry port for T&B Lymphocyte subset analysis, and the Automated Closed...or routine measurements of glucose or lactate in whole blood. Inject 25 ul sample, read **results** 40

17/3,K/19 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03722252 SUPPLIER NUMBER: 06867988 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New information systems: meeting the asset test. (point -of- sale systems for supermarkets; NCR Corp.)
Simmons, Tim
Supermarket News, v38, n49, p10(1)
Dec 5, 1988
ISSN: 0039-5803 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1320 LINE COUNT: 00108

New information systems: meeting the asset test. (point -of- sale systems for supermarkets; NCR Corp.)

... as standard equipment. These "new consumers" will be more receptive to the host of new **electronic** marketing tools.

Harty **listed** a series of electronic services that will gain greater shopper acceptance:

1. Automated check verification...

...in a handful of American stores. As technological advances have dramatically shrunk the size of **scanner** units, checkstand designers now have more flexibility in positioning the **scanners**. Advocates of self-scanning say this system provides more effective "reads" of product **UPC** symbols and makes it less fatiguing for cashiers to move merchandise through the checkstands.

In...

...in both the supermarket and discount store fields.

There has been a big emphasis on **perishables** merchandising in the past several years. **Perishables** margins are high, but high labor costs and weak controls can cut sharply into profits...

...function up to check-out area. NCR more than a year ago introduced the first **Scanner** -Scale. Checkers can place the produce items on the unit and key in the price look-up, or PLU, code. The unit then automatically weighs and prices the item. The **scanner** -scale has been installed in more than 1,500 stores.

In the meat department, many...

...have gained substantial momentum in the past few years. Using the sales information gained from **scanners**, retailers are rearranging assortments and producing lifelike planograms for store resets.

In the personnel area...data.

In a move aimed at helping solve this problem, NCR has just introduced a **point** -of- **sale** and transaction processing system for food, drug and general retail establishments. The NCR 2127 is...

...and changing-in-store processing needs. The system features a distributed processing architecture that permits **POS** terminals to function both independently or interactively with the in-store processor.

The 2127 system comprises three major components: the 2127 **POS** terminals, the Tower platform and the company's Ultra software package. A key feature of...

...DESCRIPTORS: **Point** -of- **sale** systems

Set	Items	Description
S1	99	(SHELF OR STORAGE)()LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	309	(ELECTRONIC OR ON()SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	2304	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	2298	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	814	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	6	S1 AND S5
S7	14	S1 AND (S2 OR S3 OR S4 OR S5)
S8	12	RD (unique items)

File 256:TecInfoSource 82-2005/Feb
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considered 4/28/05 g2

8/3,K/1

DIALOG(R)File 256:TecInfoSource
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00155634 DOCUMENT TYPE: Review

PRODUCT NAMES: RFID (Radio Frequency Identification) (846902)**TITLE:** Tuning in to RFID**AUTHOR:** Kelly, David A**SOURCE:** Oracle Magazine, v19 n3 p34(6) May 2005**ISSN:** 1065-3171**HOME PAGE:** <http://www.oramag.com>**RECORD TYPE:** Review**REVIEW TYPE:** Product Analysis**REVISION DATE:** 20051000**PRODUCT NAMES:** RFID (Radio Frequency Identification...**TITLE:** Tuning in to RFID

Radio frequency identification (**RFID**) maintains inventory control for complex, chaotic business processes. A far more advanced application than bar coding, **RFID** combines placing tags containing small integrated circuits on items to be tracked with **readers** examining those tags through radio waves at checkpoints in the business process. There are several advantages over **bar codes** : **RFID** tags hold much more information; a pallet of items can be **read** in a single pass; and line-of-sight isn't necessary due to reliance on...

...adding sensors providing information about ambient moisture, temperature, and air quality. Further, data gathered through **RFID** can automatically process receipt and shipment transactions without the need for user interaction. **Perishable** -goods warehouses need to know how long ago a box of bananas arrived. NASA has...

...storage tanks. Airports want greater accuracy in tracking luggage. All these enterprises can benefit from **RFID** technology. Proper use of sensor-based information gathers vast amounts of intelligence about business operations...

DESCRIPTORS: Data Acquisition; Logistics; **RFID** ; Sensors

8/3,K/2

DIALOG(R)File 256:TecInfoSource
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00154648 DOCUMENT TYPE: Review

PRODUCT NAMES: Adobe Acrobat Professional 7 (583073)**TITLE:** ACROBAT 7 PROFESSIONAL: Exploring New Potential for the PDF...**AUTHOR:** Bird, Stephen**SOURCE:** Lawyer's PC, v22 n8 p1(5) Jan 15, 2005**ISSN:** 0740-0942**HOME PAGE:** <http://www.hornpipe.com.lpc>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20050700

...Outlook users can convert e-mail memos or a whole message folder into PDF files. . **Reader** 7 users, including clients, partners, and associates, can take part in a document review, and...

...to PDF documents. A PDF file, for example, can be built to give one reviewer **read** -only access for five days. Another reviewer can be given the ability to **read** and print for ten days, and a document **expiration date** can be assigned. Users can also roll back changes so that use of the original...

8/3,K/3

DIALOG(R)File 256:TecInfoSource
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00153149 DOCUMENT TYPE: Review

PRODUCT NAMES: RFID (846902

TITLE: Mobile Service Strategy: Rise of the Machines
AUTHOR: Scannell, Tim
SOURCE: Mobile Enterprise, v5 n7 p20(4) Jul 2004
ISSN: 1527-4470
HOMEPAGE: <http://www.mobileenterprisemag.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis

REVISION DATE: 20050200

PRODUCT NAMES: RFID (

Radio frequency identification (**RFID**) tagging is one technology that is improving machine-to-machine (M2M), embedded systems that provide more productivity, improved security, and better quality control with less manual intervention. **RFID** , embedded wireless systems, and M2M, says Venkat Bahl, VP of marketing for Ember, are needed...

...topics covered are use of M2M systems by semiconductor makers, use in industries that make **perishables** and time-sensitive products and services, Stavis Seafood's use of M2M to track frozen...

DESCRIPTORS: Embedded Systems; Quality Assurance; **RFID** ; Wireless Networks

8/3,K/4

DIALOG(R)File 256:TecInfoSource
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00147867 DOCUMENT TYPE: Review

PRODUCT NAMES: ERSP (176303); In-Sight (076414)

TITLE: Scalable software targets vision and robotics
AUTHOR: Wilson, Andrew
SOURCE: Vision Systems Design, v8 n7 p7(3) Jul 2003
ISSN: 1089-3709
HOMEPAGE: <http://www.vision-systems-design.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20040228

...cups. Firms such as Cognex, with its In- Sight vision sensors, develop products that can **read** the new Reduced Space Symbology (RSS) and Composite Symbology (CS) codes on pharmaceutical packages, which help in product identification and traceability with date codes, batch numbers, and **expiration dates**. These symbology codes were created by the Uniform Code Council (UCC) for products with sizes that present **barcode** -reading problems.

8/3,K/5

DIALOG(R)File 256:TecInfoSource
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00146170 DOCUMENT TYPE: Review

PRODUCT NAMES: AutoCAD Digital Signatures (739031)

TITLE: Guard Your Drawings with Digital Signature
AUTHOR: Allen, Lynn
SOURCE: Cadence, v18 n3 p29(2) Mar 2003
ISSN: 0887-9141
HOMEPAGE: <http://www.cadenceweb.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20030830

...of digital signatures. Each digital ID is unique, and includes a name, serial number, and **expiration date**, along with other information. When the digital signature has been installed, the user executes the...

...Also described are the steps taken when a signed drawing is opened and making a **read** -only drawing readable.

8/3,K/6

DIALOG(R)File 256:TecInfoSource
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00141303 DOCUMENT TYPE: Review

PRODUCT NAMES: RFID (846902); Fleet Operators (843598)

TITLE: RFID and PC technology pave way to increased profits in aggregate...
AUTHOR: Callahan, Janet M

SOURCE: Control Solutions, v75 n7 p20(3) Jul 2002
ISSN: 1074-2328
HOMEPAGE: <http://www.controlsolutionsmag.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

PRODUCT NAMES: RFID (

TITLE: RFID and PC technology pave way to increased profits in aggregate.....

Tracking goods and vehicles is important to the paving and aggregate industry. Paving products are **perishable**, and must be delivered and processed within a short period of time. Radio frequency (RF...

...option, it is costly. An alternative solution may be integrating an operator control PC with **RFID** technology and a logic controller with remote wireless functionality. This results in a more reasonably...

...portable system. CAL Technologies' VIT Cycle System is such an integrated offering. It includes RF **readers**, logic controllers with remote wireless functionality, and **RFID** transponders, all of which feed data into an operator interface computer. The system is built...

DESCRIPTORS: Asset Management; Fleet Operators; GPS; Inventory; **RFID** ;
Windows

8/3,K/7

DIALOG(R)File 256:TecInfoSource
(c) 2005 Info.Sources Inc. All rts. reserv.

00138227 DOCUMENT TYPE: Review

PRODUCT NAMES: RFID (**846902**

TITLE: Your Inventory Wants to Talk to You:... RFID tags will track your...

AUTHOR: Roberti, Mark
SOURCE: Business 2.0, v3 n5 p84(4) May 2002
ISSN: 1080-2681
HOMEPAGE: <http://www.business2.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020630

PRODUCT NAMES: RFID (

TITLE: Your Inventory Wants to Talk to You:... RFID tags will track your.....

Radio frequency identification (**RFID**), which uses memory chips with minuscule radio antennas (**RFID** tags), can track inventory, stock shelves,

find the locations of enemy soldiers, and perform everyday tasks. **RFID** tags can be attached to objects to send out streams of data that describe the...

...as serial numbers, location and time of product manufacturing, and other types of data. However, **RFID** tags will not require barcoding, and supply chain specialists regard **RFID** as the foundation of an infrastructure that can identify and track billions of separate objects around the globe in real time. Wal-Mart is making a large investment in **RFID** tags that will reduce supply chain management (SCM) costs, reduce inventory and theft, and prevent misdirected shipments. When information from **RFID** tags is sent to Wal-Mart's 101TB sales transaction database, Wal-Mart also expects...

...a real-time view of the status of store shelves. The military will also use **RFID** -based sensors that will detect toxins such as anthrax, and **RFID** sensors could also be used in consumer retail products, such as bottled drinks and foods...

...Alcoa CSI, says the technology will be used in its bottle caps. Another use of **RFID** tags would be to alert people when medications reach their **expiration dates**.

DESCRIPTORS: AutoID; Inventory; Network Software; **RFID**

8/3,K/8

DIALOG(R)File 256:TecInfoSource

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00135229 DOCUMENT TYPE: Review

PRODUCT NAMES: Digital Rights Management (845205); Entertainment Industry (830526)

TITLE: Licensed to Bill: Big Media wants you to pay for what you read ...

AUTHOR: Howe, Jeff

SOURCE: Wired, v9 n10 p140(8) Oct 2001

ISSN: 1059-1028

HOME PAGE: <http://www.wired.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020630

TITLE: Licensed to Bill: Big Media wants you to pay for what you read ...

...their libraries of downloadable files have various monikers, including 'refrigerator,' but all storage resources have **expiration dates**, and in the case of Bertelsmann will have to be renewed by moving bits and...

8/3,K/9

DIALOG(R)File 256:TecInfoSource

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00127737 DOCUMENT TYPE: Review

PRODUCT NAMES: Disappearing Email (007927)

TITLE: An E-Mail Shredder

AUTHOR: Bayer, Barry D

SOURCE: Computerworld, v35 n1 p50(1) Jan 1, 2001

ISSN: 0010-4841

HOMEPAGE: <http://www.computerworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

...mail shredder' makes delivered messages 'disappear after a given period,' and if anyone tries to **read** or reread the message after the **expiration date** and time, the message says it has expired. When a forensics expert tries to restore...

8/3,K/10

DIALOG(R)File 256:TecInfoSource

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00127528 DOCUMENT TYPE: Review

PRODUCT NAMES: EasiPay (028177)**TITLE: Reach Out And Pay Someone: Toronto firm says its technology can...**

AUTHOR: Webb, Dave

SOURCE: Computing Canada, v26 n18 p19(1) Sep 1, 2000

ISSN: 0319-0161

HOMEPAGE: <http://www.plesman.com/cc>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

Datewire Communications Networks' EasiPay is a wireless **point -of- sale** (**POS**) service that was beta-tested with 25 cab drivers, in conjunction with Bell Mobility dealer...

...credit card terminals. Mobile merchants will be able to enter a credit card number and **expiration date** into a cell phone, and a confirmation number will then be returned. EasiPay's programming...

DESCRIPTORS: Credit Cards; E-Payment; Fleet Operators; Mobile Computing;
Point of Sale ; WAP; Wireless Internet

8/3,K/11

DIALOG(R)File 256:TecInfoSource

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00126902 DOCUMENT TYPE: Review

1PRODUCT NAMES: AutoID (834211); Food Processing (832308)**TITLE: ADC Takes a Byte Out of Food Hazards**

AUTHOR: Quinn, Paul
SOURCE: ID Systems, v20 n8 p10(2) Aug 2000
ISSN: 0892-676X
HOMEPAGE: <http://www.idsystems.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010228

...monitor and record the temperature of foodstuffs to ensure safe handling. Federal agencies require that **perishable** food be kept at or below a specified temperature to keep toxins from reaching dangerous levels. The CyTherm tag has **read** /write memory, a digital thermometer, a real-time clock, a nonresettable counter, and high/low...

8/3,K/12

DIALOG(R)File 256:TecInfoSource
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00121959 DOCUMENT TYPE: Review

PRODUCT NAMES: GroceryWorks (787809)

TITLE: GroceryWorks: The Low-Touch Alternative
AUTHOR: Steinert-Threlkeld, Tom
SOURCE: Interactive Week, v7 n4 p28(3) Jan 31, 2000
ISSN: 1078-7259
HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

...closer to customers. GroceryWorks' process does not require any touching of meats, fruits, and other **perishables**, since, for instance, oranges are received sorted, bagged, and **barcoded**. The only items touched are the totes in which the **perishable** foods are stored when transported on conveyor belts so that cereal, snacks, and other dry...

Set	Items	Description
S1	18274	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	3177	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	95865	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	370299	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	8615	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	1560686	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S7	24663	INVENTORY(1N)CONTROL
S8	520	S6(S)S7
S9	6	S8(4S)S1
S10	4	RD (unique items)
S11	32	S1(6S)S5
S12	0	S11 AND S2
S13	13	S11 AND (S3 OR S4)
S14	8	S13 NOT PY>1999
File	6:NTIS 1964-2005/Nov W1	(c) 2005 NTIS, Intl Cpyrght All Rights Res
File	7:Social SciSearch(R) 1972-2005/Nov W1	(c) 2005 Inst for Sci Info
File	8:Ei Compendex(R) 1970-2005/Nov W1	(c) 2005 Elsevier Eng. Info. Inc.
File	14:Mechanical and Transport Engineer Abstract 1966-2005/Oct	(c) 2005 CSA.
File	34:SciSearch(R) Cited Ref Sci 1990-2005/Nov W1	(c) 2005 Inst for Sci Info
File	94:JICST-EPlus 1985-2005/Sep W2	(c)2005 Japan Science and Tech Corp(JST)
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info

considered 11/28/05 gdf

14/3,K/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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1935675 NTIS Accession Number: DE96001914

Improved automated electronic balance calibration program

Clark, J. P. ; Frickey, E. M.

Westinghouse Savannah River Co., Aiken, SC.

Corp. Source Codes: 094916000; 9525316

Sponsor: Department of Energy, Washington, DC.

Report No.: WSRC-MS-95-0026; CONF-950787-91

1995 4p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI9608; ERA9610

Annual meeting of the Institute for Nuclear Materials Management (36th), Palm Desert, CA (United States), 9-12 Jul 1995. Sponsored by Department of Energy, Washington, DC.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A01/MF A01

... limits and calibration standards' apparent masses & uncertainties; calculated ratios of balance to test weight uncertainties; **bar - code** data input; enhanced graphs and tables; and permanent electronic records. The software and hardware were...

...in another department. Hardware for importing data from balances through an RS-232 interface and **bar code reader** into a portable computer's spread sheet was evaluated and found to add little value...

... identified by model, property identification number and location. In addition, each record contains calibration and **expiration dates**, performance testing information, etc. Details of equipment, statistical testing, spread sheet features and examples of...

14/3,K/2 (Item 1 from file: 7)
DIALOG(R)File 7:Social SciSearch(R)
(c) 2005 Inst for Sci Info. All rts. reserv.

03412339 Genuine Article#: 267LF No. References: 93

Title: Commercial use of UPC scanner data: Industry and academic perspectives

Author(s): Bucklin RE (REPRINT); Gupta S

Corporate Source: UNIV CALIF LOS ANGELES, ANDERSON SCH, 110 WESTWOOD

PLAZA/LOS ANGELES//CA/90095 (REPRINT); COLUMBIA UNIV, GRAD SCH

BUSINESS/NEW YORK//NY/10027

Journal: MARKETING SCIENCE, 1999, V18, N3, P247-273

Publisher: INST OPERATIONS RESEARCH MANAGEMENT SCIENCES, 901 ELKRIDGE

LANDING RD, STE 400, LINTHICUM HTS, MD 21090-2909

ISSN: 0732-2399

Language: English Document Type: Article

(ABSTRACT AVAILABLE)

Title: Commercial use of UPC scanner data: Industry and academic perspectives

Abstract: The authors report the findings from an exploratory investigation of the use of **UPC scanner** data in the consumer packaged goods

industry in the U.S. The study examines the practitioner community's view of the use of **scanner** data and compares these views with academic research. Forty-one executives from ten data suppliers... the authors. The interviews sought to uncover key questions practitioners would like to answer with **scanner** data, how **scanner** data is applied to these questions, and the industry's perspective regarding the success that the use of **scanner** data has had in each area.

The authors then compare and contrast practitioners' views regarding...

...should be given priority for discussion, information exchange, and possible further research.

Practitioners reported that **scanner** data analysis has had the most success and been most widely adopted for decision making...

...i.e., coupons), trade promotions, and pricing. For example, legit and regression models applied to **scanner** data have revealed very low average consumer response to coupons which has directly led to...

...incremental sales.

In product strategy, advertising, and distribution management, practitioners reported that the use of **scanner** data has had more limited development, success, and impact. In the case of new product decisions, **scanner** data use has been slow to develop due to the inherent limitations of historical data for these decisions and a heavy reliance on traditional primary research methods. In advertising, **scanner** data is widely analyzed with models, but confusion among practitioners is very high due to...

...what level of data aggregation is best) and conflicting results. In distribution and retail management, **scanner** data use has tremendous potential but a mixed track record to date. Thus, practitioners view the use of **scanner** data as unresolved for most issues in product strategy, advertising, and distribution. This view is...

...by practitioners.

In Light of the large number of unresolved issues and mixed record of **scanner** data use to date, the authors offer a series of specific recommendations for immediate and longterm research priorities that are likely to have the greatest impact on commercial utilization of **UPC scanner** data. Topics of immediate priority include price thresholds and gaps, baseline and incremental sales, base...

14/3,K/3 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03978465 E.I. No: EIP94112410252

Title: Getting, moving and using customer information

Author: McGuire, Angie

Corporate Source: AT&T Global Information Solutions, Dayton, OH, USA

Source: AT&T Technology v 9 n 2 Summer 1994. p 2-5

Publication Year: 1994

CODEN: ATTTEJ ISSN: 0889-8979

Language: English

...Abstract: according to documented patterns and trends. Results such as this would entail technologies such as **point -of- sale** terminals, automated teller machines, telephones, smart-card **readers**, PCs, **bar - code readers** and other data-gathering systems. Moving the information would entail global voice, data and visual...

Descriptors: *Information services; Technology; Societies and institutions; Inventory control; Decision support systems; **Point of sale** terminals; Telephone exchanges; Smart cards; Personal computers; Telecommunication services

Identifiers: Customers; Handheld devices; Data gathering systems; Bar code **readers**; Customer information services; Automated teller machines

14/3,K/4 (Item 2 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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01978590 E.I. Monthly No: EI8606046808 E.I. Yearly No: EI86025963

Title: **'SMART' LABELS: TRACKING PRODUCTS AND FRESHNESS.**

Author: Anon

Source: Modern Materials Handling v 41 n 3 Mar 1986 p 78-81

Publication Year: 1986

CODEN: MMHAAF ISSN: 0026-8038

Language: ENGLISH

Abstract: 'Smart' **bar code** labels with telltale color indicators are in the forward wave of systems technology, helping computers to track products and product **freshness**, and to control inventory. These labels are utilized in automatic identification systems, along with special hand-held **scanners**. The **scanners** are linked to portable computer terminals that communicate with host computers. As a result, computer...

...inventory. Inventory losses can be minimized and customers can expect more uniform delivered quality in **perishable** products. Two types of smart label systems have been developed and tested - each applying a...

Identifiers: **BAR CODES**; PRODUCT **FRESHNESS**; **SCANNERS**

14/3,K/5 (Item 1 from file: 34)

DIALOG(R)File 34: SciSearch(R) Cited Ref Sci

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02970244 Genuine Article#: MT807 No. References: 2

Title: **A PHYSIO-ANTHROPOLOGICAL STUDY OF THE POS SYSTEM SPACE SCANNER**

Author(s): KIKUCHI Y; KATSUURA T; OKADA A; LEE CF

Corporate Source: UNIV CHIBA, DEPT ERGON, YAYOI CHO 1-33/CHIBA/CHIBA

263/JAPAN/; OSAKA CITY UNIV, FAC SCI LIVING/OSAKA 558//JAPAN/

Journal: JOURNAL OF THERMAL BIOLOGY, 1993, V18, N5-6 (DEC), P651-658

ISSN: 0306-4565

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: **A PHYSIO-ANTHROPOLOGICAL STUDY OF THE POS SYSTEM SPACE SCANNER**

Abstract: 1. We compared the functions of **POS system scanners** by measuring electromyograms and joint angles during scanning in this paper. 2. We have demonstrated that the space **scanner** is physically easy to use, movement of the wrist is natural and easy, the most suitable method for scanning **perishable** foods which spill easily or are fragile. 3. A space **scanner** can be used with a **bar code**. 4.

Electromyograms were taken from M. deltoideus, M. biceps brachii, M. extensor carpi radialis longus...

14/3,K/6 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

01779093 JICST ACCESSION NUMBER: 93A0229287 FILE SEGMENT: JICST-E
Special issue : Label information related apparatus. Present conditions of the use of weight labels and bar code in food distribution industry.

SATO IKUO (1)

(1) Teraoka

Butsuryu Gijutsu Joho, 1993, VOL.40,NO.2, PAGE.30-38, FIG.16, TBL.1

JOURNAL NUMBER: G0849ABQ ISSN NO: 0914-9961

UNIVERSAL DECIMAL CLASSIFICATION: 681.327.2

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

DESCRIPTORS: **bar code ; ...**

... perishable foodstuff...

... POS system

14/3,K/7 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

01302884 JICST ACCESSION NUMBER: 91A0286489 FILE SEGMENT: JICST-E
Special planning : trends of latest application of automatic recognition system and its possibility. Present situation and new use trend of POS system in distribution business.

UEKUSA HIRAO (1)

(1) Teraokaseiko

Mujinka Gijutsu(Data Systems for Automated Production and Material Handling), 1991, VOL.32,NO.2, PAGE.73-78, FIG.6, TBL.4

JOURNAL NUMBER: G0534ABB ISSN NO: 0289-4351

UNIVERSAL DECIMAL CLASSIFICATION: 658.81/.89

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

...application of automatic recognition system and its possibility. Present situation and new use trend of POS system in distribution business.

...DESCRIPTORS: POS system...

... bar code ; ...

... perishable foodstuff

...BROADER DESCRIPTORS: reader ;

14/3,K/8 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

00804588 JICST ACCESSION NUMBER: 89A0010276 FILE SEGMENT: JICST-E
**Actual conditions and new trend of bar code system applications in FA and
physical distribution. Practice of bar code system application. A data
acquisition system for production and shipping amount of frozen fishes.**

KAKIHARA MICHIO (1)

(1) Nippon Electric Industry Co., Ltd.

Mujinka Gijutsu(Data Systems for Automated Production and Material Handling
) , 1988, VOL.29,NO.9, PAGE.50-52, FIG.3

JOURNAL NUMBER: G0534ABB ISSN NO: 0289-4351

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:165

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

...DESCRIPTORS: **bar code** ; ...

... **reader** ;

Set	Items	Description
S1	18274	(SHELF OR STORAGE())LIFE OR EXPIRATION(1W)DATE? OR SELL(1W-) (DATE? OR PAST) OR USE(1W)DATE? OR FRESHNESS OR PERISHAB?
S2	3177	(ELECTRONIC OR ON())SCREEN OR ONSCREEN OR PRINT?) (3W) (RECEI- PT? OR REPORT? OR LIST?)
S3	95865	POS OR POINT(1W) (SALE OR SERVICE) OR SCANNER? OR READER?
S4	370299	SCAN OR READ OR SENSE OR SCAN OR SWIPE
S5	8615	BARCODE? OR BAR()CODE? ? OR UNIVERSAL()PRODUCT()CODE? OR U- PC OR ELECTRONIC() (PRICE OR LABEL? OR TAG? ? OR TAGG?) OR EPL OR STOCK()KEEPING()UNIT? OR SKU OR INDICIA OR RFID
S6	1560686	ELECTRONIC? OR COMPUTERIZ? OR COMPUTERIS? OR COMPUTER(1W) (- BASED OR CONTROL? OR OPERAT? OR SYSTEM? ? OR NETWORK? ?) OR D- ATABASE
S7	24663	INVENTORY(1N)CONTROL
S8	520	S6(S)S7
S9	6	S8(4S)S1
S10	4	RD (unique items)
File	6:NTIS	1964-2005/Nov W1 (c) 2005 NTIS, Intl Cpyrght All Rights Res
File	7:Social SciSearch(R)	1972-2005/Nov W1 (c) 2005 Inst for Sci Info
File	8:Ei Compendex(R)	1970-2005/Nov W1 (c) 2005 Elsevier Eng. Info. Inc.
File	14:Mechanical and Transport Engineer Abstract	1966-2005/Oct (c) 2005 CSA.
File	34:SciSearch(R) Cited Ref Sci	1990-2005/Nov W1 (c) 2005 Inst for Sci Info
File	94:JICST-EPlus	1985-2005/Sep W2 (c)2005 Japan Science and Tech Corp(JST)
File	434:SciSearch(R) Cited Ref Sci	1974-1989/Dec (c) 1998 Inst for Sci Info

considered 11/28/05 [signature]

10/3,K/1 (Item 1 from file: 7)
DIALOG(R)File 7:Social SciSearch(R)
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04207555 Genuine Article#: 926AC No. References: 13
Title: Automation in drug inventory management saves personnel time and budget
Author(s): Awaya T (REPRINT); Ohtaki K; Yamada T; Yamamoto K; Miyoshi T; Itagaki Y; Tasaki Y; Hayase N; Matsubara K
Corporate Source: Asahikawa Med Coll, Dept Hosp Pharm & Pharmacol, 2-1-1-1 Midorigaokahigashi/Asahikawa/Hokkaido 0788510/Japan/ (REPRINT); Asahikawa Med Coll, Dept Hosp Pharm & Pharmacol, Asahikawa/Hokkaido 0788510/Japan/; Hokkaido Coll Pharm, Dept Pharm & Therapeut, Otaru/Hokkaido 0470264/Japan/ (kmatsuba@asahikawa-med.ac.jp)
Journal: YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, 2005, V125, N5 (MAY), P427-432
Publisher: PHARMACEUTICAL SOC JAPAN, 2-12-15-201 SHIBUYA, SHIBUYA-KU, TOKYO, 150, JAPAN
ISSN: 0031-6903
Language: English Document Type: Article
(ABSTRACT AVAILABLE)

...Abstract: processes is helpful to pharmacists in creating new clinical services. We have ameliorated the drug **inventory control** system seamlessly connected with the physician order-entry system. This control system application, named Artima...

...each wholesaler by a fax-modem every day. Artima can search the lot number and **expiration date** of drug in the purchase and delivery records. These functions are powerful and useful in patient's safety and cost containment. We surveyed the inventory amount stored in the computer **database**, and evaluated time required for inventory management by tabulating working records of employees during past...

10/3,K/2 (Item 1 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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03027452 E.I. Monthly No: EI9103035389
Title: Computerized tool management.
Author: Picozzi, Dexter A.
Corporate Source: Industrial Resource Enhancement Programs, Stratford, CT, USA
Source: Tooling & Production v 56 n 6 Sep 1990 p 79-82
Publication Year: 1990
CODEN: TOPRAR ISSN: 0040-9243
Language: English

Identifiers: COMPUTERIZED TOOL **INVENTORY CONTROL**; INDUSTRIAL RESOURCE MANAGEMENT; TOOL INVENTORY MANAGEMENT SYSTEMS; COMPUTER-AIDED TOOL TRACKING; **PERISHABLE** TOOL CONTROL

10/3,K/3 (Item 2 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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01978590 E.I. Monthly No: EI8606046808 E.I. Yearly No: EI86025963
Title: 'SMART' LABELS: TRACKING PRODUCTS AND FRESHNESS.

Author: Anon
Source: Modern Materials Handling v 41 n 3 Mar 1986 p 78-81
Publication Year: 1986
CODEN: MMHAAF ISSN: 0026-8038
Language: ENGLISH

...Abstract: are in the forward wave of systems technology, helping computers to track products and product **freshness**, and to **control inventory**. These labels are utilized in automatic identification systems, along with special hand-held scanners. The scanners are linked to portable computer terminals that communicate with host computers. As a result, **computer systems** can now be more reliable in tracking products through processing and distribution, and in controlling inventory. Inventory losses can be minimized and customers can expect more uniform delivered quality in **perishable** products. Two types of smart label systems have been developed and tested - each applying a...

10/3,K/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

09476062 Genuine Article#: 409ZL No. References: 67
Title: Computers and electronics in postharvest technology - a review
Author(s): Studman CJ (REPRINT)
Corporate Source: Massey Univ,Inst Technol & Engn,Palmerston North//New Zealand/ (REPRINT); Massey Univ,Inst Technol & Engn,Palmerston North//New Zealand/
Journal: COMPUTERS AND ELECTRONICS IN AGRICULTURE, 2001, V30, N1-3 (FEB), P 109-124
ISSN: 0168-1699 Publication date: 20010200
Publisher: ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Abstract: The article gives an overview of areas where computers and **electronics** have made a particular impact on the postharvest industry. These include environmental control and storage, quality monitoring, quality management, grading systems, **inventory control**, and management of product. Specific examples of the application of **electronic** systems have been given to illustrate the current state of postharvest technology, and some future predictions have been given. It is likely that consumer demand for improved quality, longer **storage life**, and guaranteed product safety will continue to grow. In a highly competitive market the industry will need to meet these demands, and **electronic** technology will play an increasingly important role. Improved sensors to assess quality are still needed...